

digit **FastTrack**

YOUR HANDY GUIDE TO EVERYDAY TECHNOLOGY

TO iOS

iOS AT A GLANCE

iOS BASICS

GAME CENTER

CHANGING YOUR SETTINGS

SETTING YOUR APPLE DEVICE

WHAT'S IN STORE IN iOS 5



iBOOKS

TIPS AND TRICKS

THIRD-PARTY APPS



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iOS

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ios

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Game Center

With the gaming experience iOS devices give you, you'll prefer to spend most of your time either getting addicted to some of them, or try out new games every day.

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Tips and Tricks

There are tricks that would let you get the best out of your Apple device. We've listed a few of them that would help you across a wide range of applications.

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With iOS 5, Apple has now brought in several exciting features including cloud support. You can now backup your data online and do much more.

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INTRODUCTION

On January 9, 2007, the world changed as we know it. No, we're not talking terrorism or major political upheavals... it was the day the iPhone was launched. It was the first time people had seen a device that boasted the touch interfaces we all take for granted today.

Today, with over 4,25,000 third-party apps (some reports suggest over 5 lakh) in the App Store you can do anything on your iOS device from playing Angry Birds to preliminary medical diagnosis. Even with the limited processing power, memory, and screen estate, these iOS devices – iPhones, iPod touches and the newer iPads – have become an indispensable tool in our everyday lives. The iPhone represented a new direction for Apple – and, it turns out, the cell phone industry as a whole. What's interesting to note is that the iPad actually came first – Apple started working on a tablet operating system, and decided that it was also perfect for a phone, and apparently easier to implement, because the phone came out first.

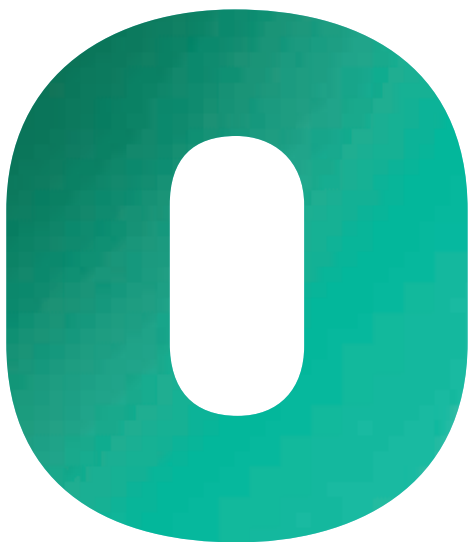
This Fast Track will walk those of you who are new to iOS through its basic features, and make you a pro. We will also cover default applications and some of the best third-party applications that you can access from the App Store. From setting up your brand new iOS device to watching videos and a lot more, it's all here. 

CHAPTER #1



iOS BASICS

Lately, Apple has gained dominance in the mobile and handheld segments – thanks to its design. Here's a guide to the basics of iOS.



ut of the box, an Apple device is an example of beautiful industrial design, but it can't do much just yet. You

need to connect it to iTunes first, where you will set up basic information and get started. To power on your iPhone/iPad/iPod touch for the first time, press and briefly hold the button at the top of the device until the Apple logo appears. Soon after, an image containing the iTunes logo and the sync cable appears.

On your computer, launch iTunes. Connect the provided sync cable – one end to the device and the other to your computer's USB port. Wait for the device to show up in iTunes, and then register the device with Apple – you can click Register Later if you are not connected to the net. You will need an Apple ID and password, and this will be the account you use to purchase media and apps from the iTunes Store.

Sleep and wake

Once powered on, the iPhone/iPod touch/iPad rarely needs to be turned off. Instead, when you finish using it, press the power button once (without holding it) to put it into a low-powered sleep mode. To wake the iOS device, press the power button or the Home button and then use the Slide to Unlock control.



Slide to Unlock the iOS device

Home screen

After you've unlocked the device, you're taken to the Home screen, which displays the software applications (or "apps") stored on the device. When iOS holds more than 20 apps, a new Home screen is created; you can see how many screens are available by looking at the dots near the bottom of the screen. Swipe left or right to switch between each screen. The shelf at the bottom of the screen holds up to six apps that remain visible on every Home screen.



Home Screen of an iPad

Press the Home button in the bezel at any time to exit an app and go to the last Home screen you were viewing. If you press the button when you're already on a Home screen, you're taken to the first screen. Or, if you're currently viewing the first screen, pressing the button displays the Spotlight search page.



Search for things in Spotlight

Launch and run apps

Tap once on an app's icon to launch it. To switch to a dif-

ferent app, press the Home button and then tap the other app's icon from the Home screen.

Switch quickly between apps

Even though only one app is visible at a time, there may be several apps running in the background. When you exit one app, it's effectively frozen until you return to it. Some apps can continue to work in the background – Mail can send and receive messages, you can listen to music, and so forth – but most apps wait until they're activated, at which point they resume where they left off. To view your most recent apps, press the Home button twice quickly. A list of recent apps appears at the bottom of the screen. Flick left on the list to view more apps, and tap the app you wish to open.



Tap on any app in the list to switch to it



Tap on the red (X) to close an app

Adjust screen brightness

Normally, the ambient-light sensor adjusts the screen brightness automatically according to its surroundings. If you'd like to dim or brighten the background light manually, you can do so in two places:

- ▶ Go to **Settings > Brightness & Wallpaper** and drag the slider left (darker) or right (brighter). To always adjust manually, turn off the Auto-Brightness switch.
- ▶ Double-press the Home button to bring up the recent apps list, swipe right, and adjust the brightness slider (located just to the left of the audio playback controls).

Multi-Touch Gestures

Until recently, most touch-screen phones, tablet computers and handhelds required that you use a stylus to do anything. Apple devices, instead, are

designed for your fingers. You interact with the software on the screen by touching, tapping, swiping, and performing other multi-touch gestures. Many controls are intuitive: tap the Edit button in Contacts, for example, to edit a person's information. Other motions may not be obvious at first, but quickly become natural.

Tap

The most obvious action is to point at an area of the screen, like a button or other control, and lightly tap with one finger. Sometimes, you'll want to double-tap the screen, such as when you want to zoom in on a section of a Web page in Safari.

Touch and hold

Instead of tapping the screen, there are times when you want to touch the screen and maintain contact to elicit an action.

Drag

Touch and hold a point on the screen, then move your finger across it. Drag a web page in Safari from bottom to top to scroll as you read.

Flick and swipe

A flick (yes, that's Apple's official name for it) is like a drag, but faster. On a web page, touch the screen and flick your finger to "throw" the page in any direction. The software simulates the physics of the motion and slows the scrolling page until it comes to a stop, based on the velocity of the flick. A swipe is similar to a flick, but you drag something (usually horizontally) a bit more slowly. You swipe a photo from right to left to advance to the next picture, for instance.


Pinch

When you want to zoom in or out on an item, such as a map, a photo, or a web page, touch two fingers to the screen and pinch them together (to zoom out) or spread them apart (to zoom in).

Rotate

Press two fingers to the screen and rotate them in a circle to rotate something, such as a photo in the Photos app.

Shake

Yes, that's right, give the device a good shake. The accelerometer recognizes the motion as an intentional vibration, and software that's been written to handle the gesture can act on it. For example, when you're typing in the Notes app and make a mistake, shake the iPhone/iPad to bring up a dialog that gives you the option to undo the last action. 

CHAPTER #2



iOS' INBUILT APPS

Even before you think of exploring the vast app store called iTunes, there's enough for you to explore on your Apple device.



pps – or programs that run on your iOS devices – are what make any

phone or tablet the versatile devices they are. iOS gives you a few of its own apps right on the Home screen, alongside the previously discussed Safari and Mail apps. There are three apps that handle personal organisation: Calendar, Contacts, and Notes. The Maps app helps you navigate to your destination, and, of course, the iTunes and App Store apps will help you get all the audio, video and app goodness you will ever need.

You will also find a Settings icon, and various other entertainment apps – YouTube, Photos, Videos, and iPod. All iOS devices these days are more than capable of storing all of your personal information conveniently – your schedule, list of contacts, notes, snippets, ideas, and doodles.

Sync personal information

Although it's possible to create new events, contacts, and notes on iOS devices (detailed in this chapter), most of that information probably already exists on your computer or the internet. There are two ways of transferring it to the iOS device and keeping it updated: syncing through iTunes over the dock connector cable, or wirelessly using MobileMe, Google, Yahoo!, or Microsoft Exchange.

iTunes sync

iTunes is the gateway between your data and Apple device, whether the data happens to be your music library or your schedule. With the device connected, do the following:

1. Select your iOS device in the sidebar and click the Info button. You'll find categories for contacts, calendars, other (notes and bookmarks), and mail accounts.
2. Click the category checkboxes to enable syncing those items. Under Mac OS X, contacts and calendars are synced with Address Book and iCal (or, more specifically, the underlying databases that those applications access). Under Windows, choose the data source from the pop-up menu in the category name; contacts, for example, can sync with Windows Contacts, Google Contacts, or Yahoo! Address Book by default.
3. Within each category, choose to sync all items or selected ones. For example, you may want to keep only business contacts and calendars on your device, in which case you'd activate the Selected Calendars option and then mark the checkboxes for specific calendars.
4. Click the Apply button to make the changes and sync the device. Future synchronisations will transfer updated information between the iOS and the computer.

MobileMe, Google, or Yahoo! wireless sync

With MobileMe, you can synchronise personal information wirelessly. If you change an event on your computer, the change is propagated to your iOS device, and the other computers you use within a minute or so. Wireless syncing with MobileMe, Google, or Yahoo! must be set up on the iOS device, not in iTunes.

1. Go to Settings > Mail, Contacts, Calendars and tap the Add Account button.
2. Tap the button for your provider.
3. Enter your name, email address, and password, and tap Next.
4. Enable the services you want to sync, and tap the Save button. After a few minutes, your data transfers to the iOS device.

If you're setting up MobileMe, be sure to activate the Find My iPhone/iPad option. If your device is lost or stolen (or if you can't find it in your house), Find My iPhone/iPad lets you view its location on a map in a Web browser, send a message or play a sound on the device, or remotely lock or wipe the memory.

Exchange sync

If your company manages its email, contacts, and calendars using Microsoft Exchange, you can tie the iOS device into the system with little fuss.

1. Go to **Settings > Mail, Contacts, Calendars** and tap **Add Account**.
2. Tap the Microsoft Exchange button.
3. Enter your email address, username, and password. Tap **Next**.
4. After the information is verified, tap **Next** again.
5. Enable the services you want to sync (mail, contacts, and calendars) and tap the **Save** button. After a few minutes, the data transfers.

Manage your schedule

Some people live and die by their calendars, while others need to refer to their schedules occasionally. The Calendar app fits both personalities.



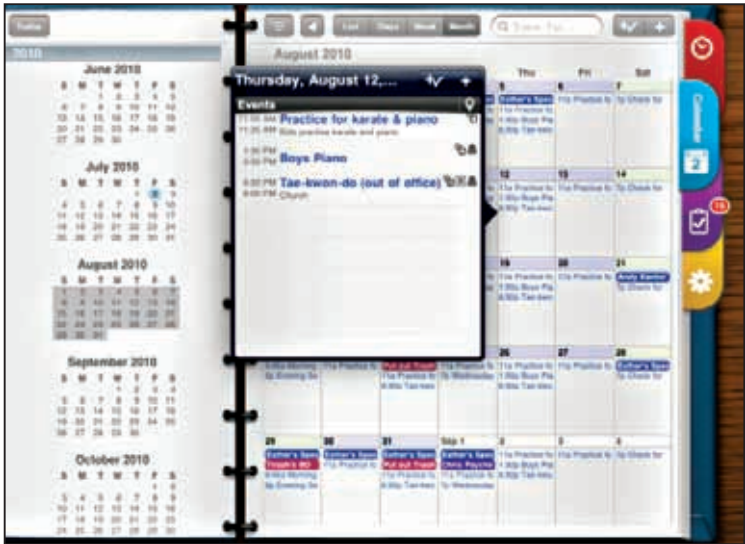
iOS Calendar App

View your calendar

When you open the Calendar app, your schedule appears in one of four views, all evoking the look of a paper-and-leather desk calendar. Tap a view button at the top of the screen. Each view has its own focus—the Day-view, for example, shows a schedule of the day on the right-hand page, with a small red pin indicating the current time. The day's events are listed on the left.

- Choose from a variety of ways to switch between dates:
- ▶ Tap the triangular buttons on either side of the timeline below the calendar to switch to the previous or next item. Tapping in the Week view, for instance, shifts to the next week.
 - ▶ Tap a block of time on the timeline to jump directly to it. Touch and drag on the timeline to rapidly skim forward or backward in time. If you press and hold at the edge, the pop-up display indicates how far you're traveling. Lift your finger to then display that date. This trick has some subtlety to it – after you've reached the edge, drag past it to make the dates fly by faster; drag your finger back to the edge to slow it down.
 - ▶ Tap the Today button to jump to today's date in any view.

- ▶ Type a term into the Search box and tap the Search key on the onscreen keyboard. Touch any event in the Results popover to jump to it. The Results popover that appears begins to find matches as you type, but it doesn't catch everything – you need to tap the Search key to perform a thorough search.
- ▶ In the Day view, tap a date in the calendar grid to jump to it.
- ▶ In the Month view, double-tap a date to switch to the Day view.
- ▶ When you're in the Week view and want to see a specific day in Day view,



Viewing events on the iOS Calendar

tap once on the date you want and then tap the Day button. If you just tap the Day button, you get that week's Monday entry. Despite appearing like a book of calendar pages, the Calendar app frustratingly does not respond to any common-sense swipe gestures. So if you're swatting the screen trying to get to the next day, your technique isn't the problem: The app just doesn't support it.

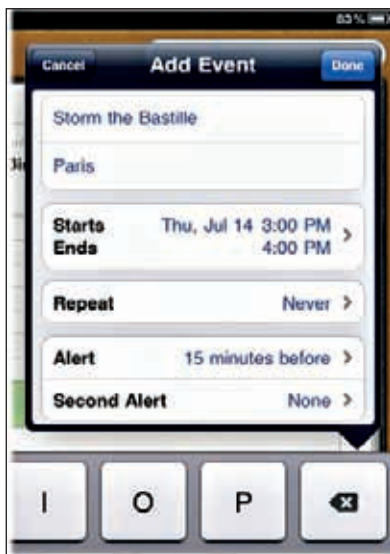
Create or edit an event

The following steps illustrate how to create a new event, but the steps are almost identical for editing existing events.

1. To create a new event, tap the **+** button in the lower-right corner. The Add Event popover appears. Editing an existing event initially depends on which view you're in:

- ▶ In the Day view, tap it once.
- ▶ To edit in the Week and Month views, tap an event once and then tap the Edit button that appears.
- ▶ For the List view, tap an event to select it, then tap it again to bring up the editing popover. The time for a new event is always based on the current time and date. However, if you first tap a day in the Week or Month views, the event is set on the date you tapped.

2. Type a name for the event in the Title field. You can also optionally add a location.
3. Tap the Starts/Ends field and, using the dials below, set a starting date and time, and then an ending date and time. If the event doesn't have a specific time, enable the All-day option. Tap Done.



Adding an event on iOS Calendar



After the event is created, it's visible in Calendar

4. If the event is recurring, tap the Repeat button and specify how often: Every Day, Every Week, Every 2 Weeks, Every Month, or Every Year. Tap Done to return to the previous screen.
5. Tap the Alert button if you want an alarm to go off before the event, and then specify a time. Tap Done.
6. Choose which of your synced calendars the event will appear in. (You can specify a default calendar in Settings > Mail, Contacts, Calendars.)
7. Enter any miscellaneous details in the Notes field.
8. Tap Done to create or edit the event.

Reply to event invitations

When someone invites you to an event using a calendar service that supports the feature (such as Exchange or MobileMe), the event appears in the Calendar app as a new invitation.

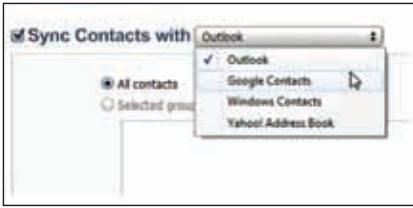
- ▶ Open the Calendar app and tap the event, which appears with a dotted outline. You can also tap the Invitations button at the top of the screen to view a list of invitations.
- ▶ Tap Accept, Decline, or Maybe to reply to the invitation.
You can change your reply later by viewing details about the event and tapping one of the reply buttons.

Hide or show calendars

To juggle several kinds of events—business, personal, kids' schedules, and so on—you'd need separate physical calendars (or a handful of coloured pens). Here you can include digital calendars for each category, colour-code them, and show or hide them as you please. New calendars must be created in your desktop software and synced to the iOS device. Once there, in the Calendar app, tap the Calendars button and tap the ones you wish to hide (the checkmark disappears). The events are still there, but they aren't cluttering up your calendar views.

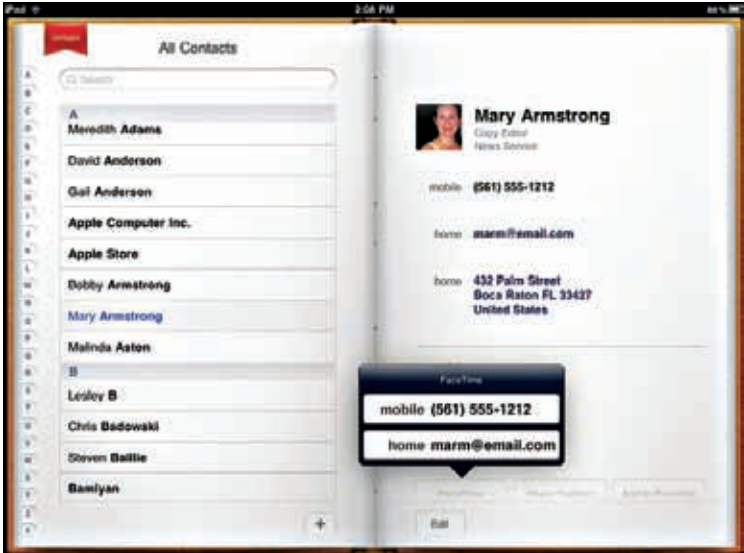
Manage your Contacts

The Contacts app maintains the same spirit of the Calendar app, presenting your contacts in an address book. Flick through the list to browse for a contact, or use the tabs to advance through the alphabet. Contacts are listed in order of their last names, but you can change this preference. Go to **Settings > Mail, Contacts, Calendars**, tap Sort Order in the Contacts section, and change the option to "First, Last." The Display Order option in the same



Sync your contacts with Google using iTunes

section dictates how each line appears (for example, changing that option to “Last, First”). In either case, the last name appears in bold for easier identification.



Viewing contacts on iOS

If you know the name of the person or company you’re trying to find (or even part of the name, or a detail that might be in their information), tap the Search field and begin typing. Results appear immediately, with the first one displayed at right.

Normally, all contacts are listed, but if you’ve organised your contacts in groups on your computer, you can display just the contacts from a chosen group.

- ▶ Tap the Groups button at upper left, which looks like a red bookmark.
- ▶ In the list of groups, tap the one you want to focus on. The page turns back to the contacts list, showing only that group’s members.

Although you can view groups on iOS, the Contacts app offers no way to

create new groups or move a person to a new group. You'll need to do that in your desktop software and then sync the changes to the device.

Create or edit a contact

1. Tap the New Contact button (+) to create a new record, or tap the Edit button to change details of an existing record.
2. Tap each relevant field and type the person's contact information.
3. A contact can contain multiple similar items, such as phone numbers. As soon as you start entering information in one field, the Contacts app automatically adds another one below it, anticipating that you may want to add, for instance, a work number and then a home number. To remove any fields already made, tap the red Delete button. If you don't see a field you're looking for, such as Job Title, scroll to the bottom of the list, tap Add Field, and choose from the options.
4. For fields with labels (such as Home, Work, or Mobile), tap the current label to view a popover containing alternates. If the one you want isn't listed, choose Add Custom Label and type your own.
5. To add a photo to the contact, tap the Add Photo box, which presents two options:
 - a. Take Photo: The camera interface opens, allowing you to take either a picture of yourself or someone on the other side of the rear facing camera. Tap the shutter button to capture the shot, move and scale it to fit, and tap the Use button.
 - b. Choose Photo: Locate and tap an image in your photo albums. Position it in the frame as you'd like it to appear, and then tap the Use button.
6. Tap Done when you're finished creating the contact. You can change details later by tapping the Edit button.

If you haven't done so yet, be sure to create a record for yourself. Safari uses that information for its AutoFill feature (go to **Settings > Safari > AutoFill**, tap My Info, and specify your entry). It's also good for sharing your details with someone else.

Share a contact

To share a record from your Contacts list, do the following:

- ▶ Locate the contact within the list and open it.
- ▶ Tap the Share button. A new outgoing email address appears, containing a vCard file attachment that can be imported into most contact software.
- ▶ Enter the email address of the person who will receive the contact.

- ▶ Type a title in the Subject line (leaving the field blank could prevent or delay its delivery).
- ▶ Tap the Send button.

Receive a shared contact

If you're on the receiving end of a shared contact, you can easily add someone's vCard to the Contacts list.

- ▶ In the Mail app, locate the email message that includes the .vcf file attachment.
- ▶ Tap the attachment to view the contact information.
- ▶ Tap either the Create New Contact button or the Add to Existing Contact button to transfer the information to the Contacts app.

Delete a contact

If you find yourself standing in line somewhere with nothing to do and suddenly feel the urge to purge old records from your Contacts list, do the following:

- ▶ Tap a contact name to view it.
- ▶ Tap the Edit button.
- ▶ Scroll to the bottom of the information and tap the Delete Contact button.
- ▶ In the confirmation dialog that appears, tap the Delete button. That contact is removed from the list. (Unfortunately, Contacts does not support the near-universal shortcut of swiping across a record to delete it.)

Take notes

The iPad is roughly the size of a pad of paper, easy to hold in the hand, and capable of storing a lot of information. The iPhone and iPod Touch are also pretty convenient. When you need to jot down some ideas, the Notes app is ready with a familiar yellow legal pad (mounted in a virtual leather holder, even, when viewed in landscape orientation).

If the handwriting-style font in Notes isn't your style, go to Settings > Notes and choose Helvetica as the typeface.

Create a note

Here comes the hard part. Tap the New Note button () and start typing. The first line of the note becomes the title, which appears in the toolbar and in the Notes list. In landscape orientation, that list sits off to the side;



Notes App on iOS

in portrait mode, tap the Notes button to bring up a popover containing all the notes you've stored.

If you're looking for something in particular, enter a term in the Search field at the top of the Notes list.

Edit notes

Tap a note in the list to view it. You can also tap the Previous and Next buttons at the bottom of the page to switch between notes.

To edit, tap somewhere on the note to place the cursor, and start typing.

Delete a note

- ▶ There are two ways to delete a note:
- ▶ With the note visible, tap the Trash button, then tap the Delete Note button.
- ▶ In the Notes list, swipe one finger across a note's title and tap the Delete button that appears.

Share notes

Tap the Mail icon at the bottom of the note to send its contents in an outgoing email message.

Alternatives

Simplenote (simple-note.appspot.com) has a clean interface for writing notes, but its real strength is being able to sync its contents to the Web wirelessly. When you make changes, they're reflected at the Web site and on other devices you use that run Simplenote (such as the iPhone). You don't have to wait to sync over the dock connection cable to get the notes on my computer. For more bells and whistles, check out Evernote (www.evernote.com), a catchall app and web service that can store text, images, and audio for later.

Use the camera for photos and videos

Taking still photos

To shoot a digital photo, make sure you set the little slider in the bottom-right corner to (still camera). Line up your shot and press the shutter button. Your newly snapped picture ends up in **Photos > Camera Roll**. A preview of the last shot you snapped also appears in the bottom-left corner of the screen; tap it to jump right to the photo in the Camera Roll album. Tapping the screen to readjust the photo's exposure also brings up the zoom slider (right). If you want to narrow in on your subject and lose distracting background elements, tap the screen and drag the slider to the right until you have the framing you want. Drag the slider the other way to zoom back out. To change cameras and take a self-portrait with the front camera, tap the Switch Cameras icon (Z) in the upper-right corner of the photo screen.

Shooting videos

To shoot a video, tap the Camera icon on the Home screen and nudge the slider over to (video). It flashes red to indicate that you're recording. The time stamp in the upper-right corner of the screen shows the current length of your video-in-progress. Like the still camera, you can tap an area of the screen to adjust the exposure, but there's no zoom feature for video.

Share and upload photos and videos

Now that you've taken all these great photos and videos, don't you want to share them? You can do that in several ways:

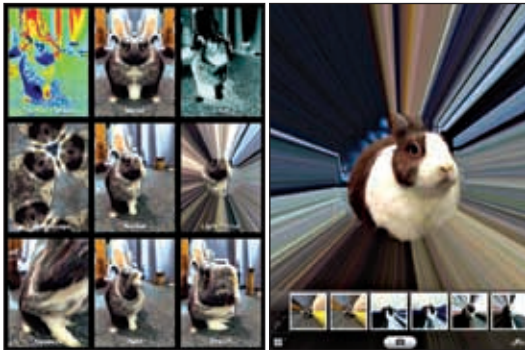
- ▶ **Email:** Tap **Photos > Camera Roll** to see your photos and videos; if you have the Camera app open onscreen, tap the thumbnail preview icon in the toolbar to jump to your collection. Next tap the thumbnails of the photos and videos you want to send, and then tap Email. A mail message

appears with your files attached, ready for you to address and send.

- ▶ **Copy:** This option lets you copy and paste the file into a message you've already started.
- ▶ **Transfer:** You can transfer the file to a computer. Connect your device to your PC or Mac and use the Import command in your photo-organizer program (such as Adobe Photoshop Elements or iPhoto) to copy over photos and videos. Once you have the files on your computer, you can post them online.

Take portraits with Photo Booth

Remember those old-fashioned instant-portrait kiosks that can still be found in arcades or along the boardwalk? You know, the kind where you get a strip of four black-and-white shots for a buck, and you and your pals all cram together to make goofy faces for the camera? The iOS device can do the same thing, but better – the pictures are free and in colour. Meet Photo Booth.



Applying various effects in PhotoBooth

Like its predecessor (part of Mac OS X for years), Photo Booth is a simple app for taking your own picture. Let's assume that you need a quick headshot for your Facebook page. You can use Photo Booth with the rear camera as well – just tap the icon to switch back and forth between cameras. However, for loads more fun, you can also add one of eight special effects to your photo, including several funhouse-mirror style distortions, a thermal camera simulation, or even a creepy faux x-ray filter.

Here's how to get going with Photo Booth:

- ▶ Tap the Photo Booth icon on the Home screen.
- ▶ You can take a regular photo, or you can pick a special effect. Tap the

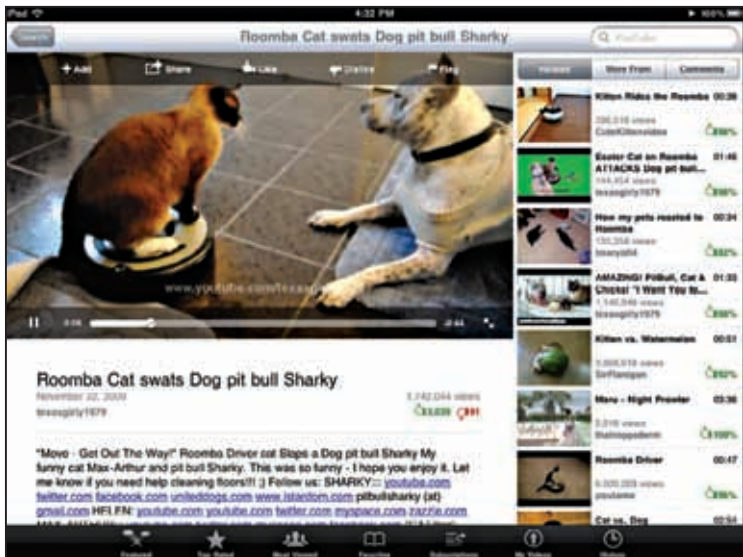
icon to see a preview of all the effects. Tap the one you want to use. (If you pick one of the funky funhouse-mirror distortions, you can distort it further by dragging your finger around on the screen.)

- ▶ Snap the photo by tapping the shutter button.

A small thumbnail version of your photo slides into the photo tray underneath the mail screen. Tap the photo to see it full size. Tap to email or copy the image. To delete a photo from Photo Booth, tap its thumbnail in the photo tray. Then tap the — button in the corner of the thumbnail image and tap Delete Photo. Copies of your Photo Booth pictures are also saved to [Photos > Camera Roll](#), so you can share the pictures from there, too.

Watch YouTube clips

iOS is full of entertainment options, and its YouTube app is no exception. Tap the YouTube icon on the Home screen to see:



Browse through videos in YouTube App

- ▶ **Featured:** This list highlights videos that folks on the YouTube team think are interesting or worth your while to watch. Tap a thumbnail to see them.
- ▶ **Top Rated:** When someone watches a video on YouTube, they can give

it a thumbs-up (“Like”) or a thumbs-down (“Dislike”) rating to reflect their opinion of the clip (this binary system replaced the old one-star to five-star ratings).

- ▶ **Most Viewed:** If you constantly get emailed the same videos, odds are they’re on this list. Tap the Today, This Week, or All (as in “of all time”) tabs to see. When you get to the end of the list, tap “Load 25 More” to load up the next set of vids.
 - ▶ **Favorites:** If you have a YouTube account (it’s free, and it also means you can upload your own clips), you can mark videos as your favourites and find them easily.
 - ▶ **Subscriptions:** Many organisations and celebrities have their own YouTube “channels” that you can subscribe to.
 - ▶ **My Videos:** Tap here to see a list of the clips you’ve uploaded to YouTube (you need to be logged into your YouTube account to do so).
 - ▶ **History:** Like a web browser, the YouTube app keeps track of what you’ve looked at. Also like a browser: Tap the Clear button to wipe out the evidence that you checked out those bollywood videos again. There’s also a search box in the upper right corner to seek out videos by keywords.
- Tap any video thumbnail to open a Details screen for that video, featuring a description, date, category name, keywords, the contributor’s name, length, number of views, links to related videos, and so on.

Find your way with Maps

The iOS’ Maps app makes you forget all about those folded paper road-maps that always end up stained and crumpled in the back seat of the car. Tap open the Maps app on the Home screen. Type any address into the Maps app – and you instantly see it on the screen, its location marked with a virtual red pin. All your usual finger moves work on the maps, so you can zoom, scroll, pinch, and flick your way around the world.

Like Safari, though, Maps needs an Internet connection to pull its data down from the



Maps App on iOS

Web, so it's not the best thing in the world for emergency directions when you're lost in a bad part of town with only a iPod touch/Wi-Fi iPad.

View photos

All the photos you sync to the iOS from your computer, take with the device's camera, save from email messages, web pages, and screenshots, all live in

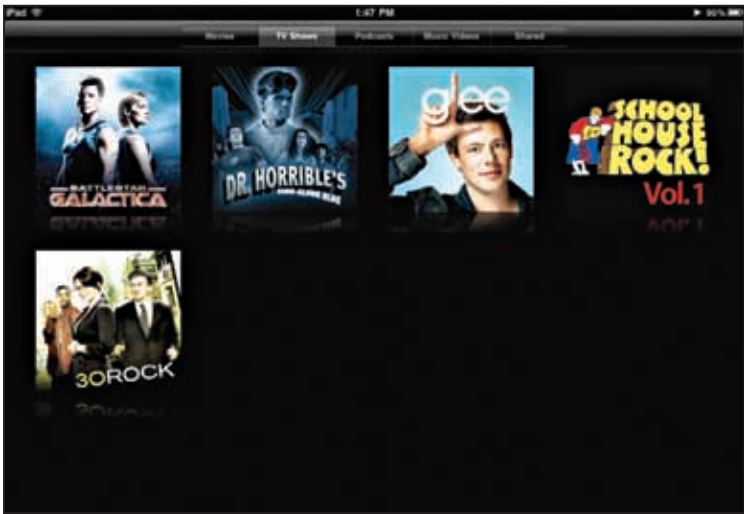


Gallery on iOS

the Photos app. Tap the Photos app icon (represented by a happy sunflower) to open it up and see what's there. After you get some photos on iOS, this app takes care of the sorting for you. You'll find photos that were in albums on your computer in same-named albums on your device. You can also see all your pictures in a loose collection by tapping the Photos button at the top of the screen. Tap any photo thumbnail to open an album or the photo itself to full-screen size.

Watch videos

Tap the Videos icon to find all the movies, TV shows, video podcasts, and music videos you have on your iOS device. If you don't have any stuff yet,



Browse through the video library on iOS

you can get video content in a couple of ways – download it directly to the iOS device from the iTunes Store or sync compatible clips from your computer to your device. And for the record, the Videos app is where your downloaded content lives; the YouTube app is for streaming cool clips from YouTube's perch on the Internet. Videos you shoot on the device camera land in Photos Camera Roll, though.

Once you have videos, tap **Home > Videos**. iOS sorts your collection by type: movies, TV shows, podcasts, and music videos. Tap an icon to play



Control the videos with on-screen controls

the video. In the case of TV shows, where you may have multiple episodes, tap the show's icon and, on the following screen, tap the episode you want to see.

Use the iPad as an iPod

The original boxy white-and-chrome iPod from 2001 is one of Apple's greatest success stories, and its legacy lives on with the iPhone/iPod




The Music library on iOS device

touch/iPad. To listen to music or see what tunes you have on your tablet, tap the orange-and-white iPod icon on the Home screen.

The iPod is an elegantly designed and organised app, made to help you find your music quickly, sorted by songs, artists, albums, genres, or composers. The items in your library (music, spoken-word podcasts, audiobooks, and custom-made playlists) appear in a neat vertical list along the left side of the screen, all awaiting your tap. If you're tapping into your computer's iTunes library with the Home Sharing feature, you see a grey Library bar at the top of the left column; tap it to get the goods.

Shop on iTunes and the App Store

The purple iTunes icon and the blue App Store icon on the Home Screen are all about shopping. Some people will find this very exciting, the chance to buy fresh new things directly, with no cables, cars, or crankiness involved. All you need is a live Internet connection and a working credit-card number. 

CHAPTER #3



THIRD-PARTY APPLICATIONS

Your experience with Apple devices
needn't be restricted to iOS' default
functions. You can augment functions
with apps from Apple's app store.



he iOS app industry, since it first began in 2008, has come a long way. It has grown from a meagre launch of 500

applications in the App Store to currently over 425,000. In only three years, the industry has matured at hyper-speed. It spawned an entire ecosystem to support it from a multitude of news and editorial resources to developer engines, promotional services and ancillary niches. With over fifteen billion app downloads and billions of dollars at stake, it's no surprise that the app economy expanded so quickly.

However, the novelty land grab is definitely over. When you run a search on the App Store, most of the gimmicks have already been created—at least twice. Clones still litter the store and it's becoming



Searching for applications on the App Store

even more difficult for quality apps to get noticed. But, if you have a bit of patience and are willing to sift through less exciting apps, there are some fantastic gems just waiting to be discovered.

So without further ado, here are our top picks for applications on the Apple Store. Try one or try them all.

Productivity



Evernote

Where most mobile companion apps tend to offer a lot less than their desktop counterparts, ubiquitous capture tool Evernote takes full advantage of the iPhone to make the mobile app worthy of standing on its own. In addition to capturing regular text, you can grab voice notes and photos as well. Since Evernote performs OCR (optical character recognition) on all your images, any text in the pictures you add to Evernote will be searchable. For example, you could take a snapshot of a menu in a restaurant and later search it just like it was a text document.



Simplenote

Simplenote is a key component in the holy grail of ubiquitous text capture, and rightfully so. Simplenote allows for speedy note entry on your iPhone, plus it syncs with the likewise free Simplenote service so your notes are always available wherever you want them.



TripIt

If you haven't used TripIt to manage your travel itineraries, you've been missing out. The free iPhone app makes it even easier to manage your trip. It's a natural extension of the service, since if you're traveling it's more than likely that you're not at your computer.



Instapaper / ReadItLater

Instapaper and ReadItLater both serve the purpose of saving web content for later reading, and both offer free and paid versions, but they're still notably different. Instapaper offers you a straightforward and simple way of reading saved content. ReadItLater is a little more feature-rich. Both are great options and you can try them for free to see which you prefer.



Dragon Dictation

Apple's voice recognition handles a few tasks but misses some key features that Dragon Dictation helps to fill in. If typing is not an option, or you're just feeling lazy, Dragon Dictation will type it up for you. You can send a text message or an email directly from the app, and it also integrates with Facebook and Twitter. Although not perfect, Dragon Dictation is surprisingly accurate and will let you correct any mistakes it makes.



Mint

If you're not using Mint to keep track of your finances, you should be. It'll keep track of all your accounts and provide you with useful statistics and budgeting information to help you manage your money better. If you're looking for something a little more hands-on, however, Jumsoft Money is a great free app as well – you just input everything yourself.

Internet/Communication



Atomic Browser

If you've found Mobile Safari to be a bit lacking, you're not alone. Atomic Browser can help, providing true tabbed browsing, private browsing mode, user-agent spoofing (handy for watching Netflix on your iPhone), and a ton of features you've come to expect as part of your web-browsing experience.



Skype

Now that Skype works over 3G and can take advantage of iOS 4's multitasking capabilities, it's actually a viable alternative to using your mobile minutes. Even if you don't want to go so far as to replace your regular phone, it's still a great tool for making international calls on the cheap and chatting with your Skype contacts on the go.



Textfree Unlimited

If you don't like paying a ridiculous amount of money for small amounts of data, Textfree Unlimited lets you send and receive text messages at no costs. You can even set up a phone number specifically for the app. While Textfree only used to provide free

text messages, now the app is free as well. The trade-off is that you get ads, but you have the option to pay to remove them.

LucyPhone



Another great minute-saver is LucyPhone, the app that waits on hold so you don't have to. If you're calling a popular business, LucyPhone's directory may even save you the step of going through the phone tree to get to the right department.

Although you might confuse the customer service representative on the other end, LucyPhone takes all the pain of waiting on hold – including the loss of your mobile minutes.



Meebo

Meebo stands out among the various multi-services IM clients available because it's free. Being free doesn't make it bad, however. It's an attractive app with the ability to integrate tons of IM services, making it our IM app of choice.



Twitter

You could drown in Twitter apps on the iPhone, but the official option is free and one of the best. In addition to tweeting and direct-messaging, you can also share photos and videos.

Thanks to the iPhone's GPS, Twitter is location-aware and can provide you with nearby tweets so you can figure out what people are talking about in your area in real time.



Facebook

The official Facebook app on the iPhone is great for general updates and messages, but it becomes especially useful when all your contacts flood in. If your address book is missing a number, just find your friend in the Facebook app and click the call button. You can also keep track of events, check your news feed, and edit your profile.

Location-aware



Maps (default app)

While Android's version of Google Maps blows it out of the water, the built-in Maps application on the iPhone is still pretty great. Drivers can check real-time traffic and get simple direc-

tions to just about anywhere. Even if you don't drive, walking and public transportation directions are available. With street view integration and a few other neat features, Maps is easily one of the most useful apps on the iPhone.



MapQuest4Mobile

While the iPhone has a few free turn-by-turn navigation apps (and none of them are even encroaching on the territory of perfect), MapQuest4Mobile feels more like the real deal than any of the others. If you want a commanding, computerised female voice barking directions at you (occasionally after you've missed your exit), and you don't want to pay a lot for the privilege, you've found your match.



RunKeeper Free

You have quite a few fitness apps to choose from on the iPhone. One of those happens to be RunKeeper, and lucky us, it has a great free version. RunKeeper uses your iPhone's GPS to track your run and provide you with statistics, giving you the statistical benefits of a treadmill when you're outside the gym. It integrates with your music library and lets you share your activities. While the built-in Nike+ app is also pretty nice, RunKeeper doesn't require the purchase of any additional hardware and lets you choose your brand of shoes.

Utilities



Dropbox

Would it truly be a Lifehacker Pack without file-syncing app extraordinaire Dropbox? While the iPhone version of Dropbox isn't quite as useful as Dropbox on your computer, it makes for a nice companion. If you're using Dropbox for all sorts of clever things, it's always nice having access to your synced files from your phone. While the Dropbox app can download anything the iPhone (or a third-party app) can display, you can also save key files on your phone as well.



Boxcar

If you like frequent push notifications, you'll probably like Boxcar. It integrates with Twitter, Facebook, email, RSS, and Growl to grab updates of nearly anything you want and push them to your phone. If you want to be alerted the moment something changes, Boxcar will get the job done.



PasteFire / MyPhoneDesktop

PasteFire and MyPhoneDesktop do the same thing – they aim to make getting text from your desktop to your iPhone a bit easier. Both use push and both integrate with your machine to send content. The biggest difference is price: PasteFire is free and MyPhoneDesktop costs a whopping \$5. So why mention MyPhoneDesktop? Because it's better. Still, no penalty for trying PasteFire. MyPhoneDesktop is really only worth a look if the free option doesn't cut it for you.



Logitech TouchMouse

If you want to use your iPhone as a wireless trackpad for your Mac or Windows PC, that's precisely what Touch Mouse can help you accomplish. It also includes keyboard functionality so you can make use of your iPhone's keyboard to input text. While this is not terribly practical or speedy for use with just any machine, if you have a computer hooked up to your television it's a convenient way to navigate without the clutter of a keyboard and mouse on your couch.

Media



Pandora

Pandora's always been a favourite on the iPhone, but with multitasking support in iOS 4 it becomes so much more useful. Now that you can listen to your personalised Pandora radio stations in the background, you'll be hard-pressed to find a better, free way to discover new music.



Remote

Although it's nearing a year without an update, Apple's Remote app is still pretty incredible. If you want to control your iTunes library remotely, or turn your iPhone into a multi-room wireless remote (in the event you have an Airport Express or AppleTV), there's really no better option – especially for free.



Air Video / StreamToMe

Air Video and StreamToMe are both apps that help you stream video from your computer to your iPhone, no matter where you are. They're especially compelling when you want to watch something at the gym, for example, and you didn't have time to

transcode and sync it to your device first. Whether you're connected to Wi-Fi or 3G, you can stream video directly to your phone from anywhere (the quality of your connection permitting, of course). Both apps have some subtle differences, such as StreamToMe's ability to stream more than just video and Air Video's option to pre-encode content for easier streaming, and both are worth the price of admission: \$2.99.



iBooks / Kindle / Stanza

It's hard to consider any of the iPhone ebook readers the best choice because they're pretty similar. They all let you read on your phone, they all let you purchase books, and they're all free to download. Apple's own electronic book reader is must-download. This app enables you to purchase ebooks from the online iBookstore (including 30,000 free books – mostly classics so far). You can also add your own books that are in the ePub format (such as MP3 for books). Flick from one page to the next and adjust text size and display font. If you turn it landscape you can see the whole spread. Reading has never been more fun.

Pick the ebook app that works the best for you – or don't, since they're all free downloads.

Food and entertainment



Yelp

Yelp is pretty reliable when you find yourself in a strange location and have that familiar rumbling in your belly. It comes with some semi-secret, fully-nifty augmented reality. If you're looking for nearby food (or anything, really), Yelp is a great (free) way to find your best eating joint options.



IMDb

IMDb is a great resource for movie information, and the app does a good job of focusing a lot of information onto your iPhone's small screen. What's also great about the IMDb app is that it also serves as an excellent free option for finding movie show times.



Art and photography Gorillacam

If you're looking for a free, full-featured iPhone camera upgrade you should check out Joby's Gorillacam. It provides

a huge set of features, including a self-timer, time-lapse photography, anti-shake, three-shot burst, and more.



Snapture

If you really want to make the most of your iPhone's camera, check out Snapture. It's a popular alternative to the iPhone's inbuilt camera app. In addition to helping you take better photos, you'll also find some basic image editing tools. Snapture's main draw, however, is how easy it makes it to quickly pull out your iPhone and take a picture. Simply open the app, tap the screen, and you've got a photo.



HipstaMatic

HipstaMatic aims to emulate old cameras and film stocks, providing some pretty compelling results. But be warned: it's one of those apps that can get pretty addictive, and you can shell out \$1 each time you want to try out a new lens or flash.



Pano

Pano can create some enormous, impressive panoramas right on your iPhone. It works by taking multiple shots and stitching them together. While the results aren't always perfect, they're often stunning.



SketchBook

While SketchBook is the sort of app that excels on a big screen, like the iPad's, it's nonetheless a great drawing app on the iPhone. With several brushes and pencils, you'll be surprised what you can actually draw with this app. When you're done, you can even export a PSD (Photoshop Document) or the flattened image.

Books and newspapers

With the arrival of the iPad, many publishers have started to rethink just how information should be presented

Wall Street Journal

It's a shame that most of the big newspapers on the iPad are American, but there's no doubting the quality of both WSJ and the New York Times app. You need to shell out for a subscription to read all the stories though.

The Elements: A Visual Exploration

With the arrival of the iPad, many publishers have started to rethink just how information should be presented. The Elements is the first eBook truly developed for the touchscreen iPad, and displays the elements that make up the periodic table. Where it gets clever is the animation that enables you to spin around objects, and the touch-screen navigation of the table.

NYT Editors' Choice

The New York Times is a superb newspaper, and like the Wall Street Journal, it is largely focused on the US rather than worldwide. This great app features a daily selection of high-profile stories and makes for a great quick read.

BBC News

There's a calm serenity about BBC News that's lacking on other news organizations, and the BBC News app is a great way to view the day's stories. While we think it's a bit cluttered in horizontal mode, it's great in vertical mode, and caches stories so you can read them offline.

Guardian Eyewitness

While most news apps are busy rethinking a newspaper or web site-based experience, The Guardian has taken a different tack. Its Guardian Eyewitness app makes use of the Pad's gorgeous display to present photographic pictures of the day. Each picture comes with a brief description, and professional photography tips. You get a real variety of modern news photography, and it's regularly stunning.

iPad task management apps

Task management sounds like a big "task" but it really isn't. What it really means is writing down the things you need to get done. Then, you can organise them and start working on them. That's really all there is to it. Here are 6 apps that can get you organised and productive with very little effort.



Task Cards

Here is a great place to start. Task Cards claims to be the easiest task management app for the iPad. It uses virtual index cards to organise tasks on a desktop and then it provides tools to organise them. The interface actually looks like a wooden desktop with white cards. You can then place cards on the table and

label them. For example, you might have a label called “Important” or “Urgent” and then you tap on the card and start listing your important or urgent tasks.

It’s pretty easy to see what you have to do when looking at your tasks in this way. It really is a great way to organise the most basic of tasks. Plus, it’s enjoyable. Here are some of the features you get with Task Cards:

- ▶ Ability to add due dates and recurring tasks
- ▶ Priorities
- ▶ Search, Notes, and Sorting
- ▶ Shows completed tasks on the back of each card



All your tasks organised

In general, this app is liked very well by your peers. The only complaints so far are that you cannot email the cards or assign tasks to others. This is a basic iPad task management app that lends itself well to simple tasks and to-dos. If you are looking to keep things simple then this is a great place to start.



OmniFocus

Hardly any discussion about iPad task management would be complete without mentioning Omnifocus. It is for the serious person when it comes to tasks. Omnifocus combines task management with the functionality of a desktop app. It comes with flexible viewing options, location-aware task lists, on-the-fly task entry with voice notes and image attachments. It is a serious task management app.

You can use it as a standalone app or you can also use it in-sync with the desktop Mac version or iPhone version. Here are just a few of the many features you will get with Omnifocus:



- ▶ Quick entry for fast, easy task capture
- ▶ Task inbox to store items for future processing
- ▶ Detailed task options such as start due dates, repeating schedules, and audio note and photo attachments
- ▶ Organise tasks into projects and folders
- ▶ Subtasks and cloud sync
- ▶ Forecasts of the weekly and daily views

Ominifocus gets great reviews on a consistent basis. The only complaints users have are with the price and the fact that you cannot drag and drop tasks. Other than that, it consistently gets 5 stars.

Task Task



Here is a welcome addition to the iPad task management app set. Task Task is a powerful, flexible and elegant task management application that is also sleek and offers an amazing range of features.

This very simple iPad task management app allows you to create lists that you can populate with tasks. It's a very simple idea but it gets the job done! The interface looks just like sheets of paper so you feel like you have a real list to keep you organised. There are also three “smart lists”: Today, Tomorrow, and Overdue. These lists are populated based on the dates you enter.

Beyond the smart lists, you can create your own lists and



tasks which include priorities, notes, and due dates. Users really like this app for its interface and simplicity. Most people generally agree that it's like Task Cards which is to say it is best for simple lists and to-do's. No major complaints with the app. It's pretty much “What you see is what you get”.

The only complaints some users have are that it is difficult to delete tasks and find your way around.

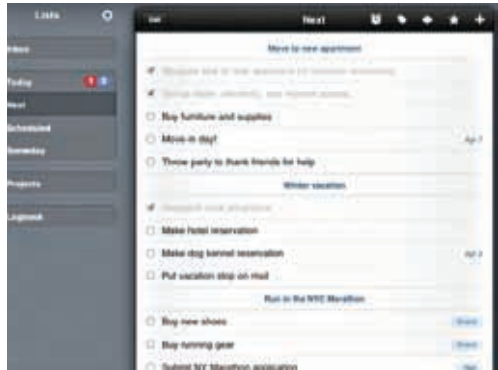


Things for iPad

Much like Omnifocus, Things is an iPad task management app that comes with the perfect set of task management features.

Things is a beautifully focused and amazingly intuitive task manager. While other task managers are fairly difficult to use, Things claims to be the most simple.

The strength behind Things is the design. It is so nicely laid out and designed with its beautiful pad of paper and task lists off to the side. It's like email but in task list form! Things really does make it super easy to



manage your to-dos, notes, due dates, and projects of any kind. It comes with smart lists and a really nice scheduling feature which we have not seen in other task management apps.

Things was recently updated which brought with it some nice features. It added better search functionality, TextExpander support, improved task entry, logging, and speed improvements. It's a great app but it also has its shortcomings. Users complain mostly about the price and a few other irritations. There is no way to sync up with a PC, no way to backup your tasks, no way to email a full task list, etc. The majority of complaints are actually from loyal users that already purchased the iPhone version and have to buy the iPad version.



Taska for iPad

Here is a great and welcome addition to the iPad task management solutions. Taska is a well-thought out and very nicely designed task manager app. It offers refined and easy-to-use



features which are quite amazing for this little app. One of the best features you get is the drag and drop task management feature.

The developers obviously thought a lot about how to make this a really good task manager.

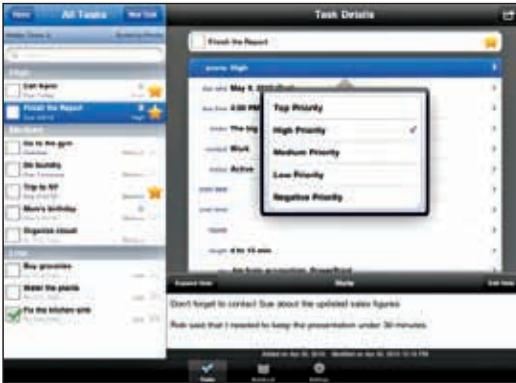
Where the other iPad task managers have shortcomings, Taska fills those gaps. It is so nice and easy to use, with the drag-and-drop and the email sharing features. The other nice aspect of this app is that it's all presented in a very easy to use way. There is nothing confusing here.

The only complaints with this app so far are the syncing issues between the iPad and iPhone version and some users complain that it is almost too simple. If you are looking for a good iPad task manager that is not quite Omnifocus but gets the job done, this is a good one to start with.



Toodledo for iPad

Just in case you don't find any of the above apps interesting, this one should do the trick. Toodledo is not only one of the top rated iPad task management apps, it happens to also be perfectly priced for the number of features you get. It is a powerful task and note manager for both the iPhone and iPad. Another great feature



is that you can sync it with Toodledo.com (one of the most popular online task managers).

Toodledo is flexible. You can use it as a traditional task manager or you can completely

design your own system. This means you can keep things simple and add more complexity as you need it. **d**

CHAPTER #4



iBOOKS

Devices running iOS let you read ebooks in formats such as ePUB and PDF. With the storage capacities in the iPhone, iPod and iPad, you can have a vast library to keep you busy for years.

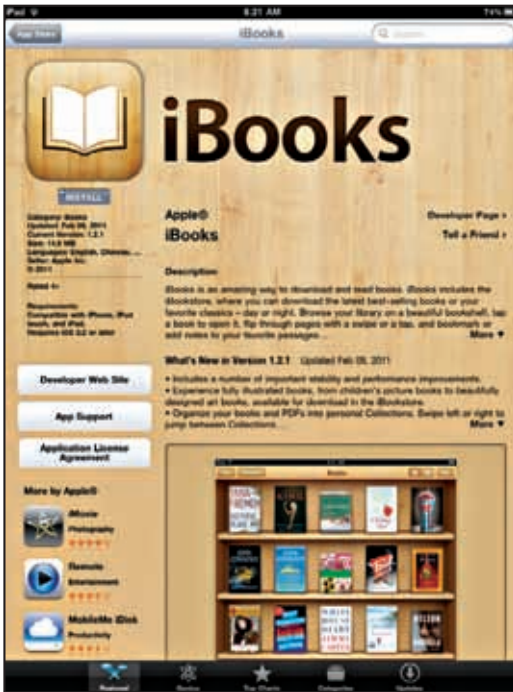


Books is a great way to read and buy books. The iBooks app isn't included on the iPad by default. In iTunes or using the App Store on the iPad, search for "iBooks." Download and install the free app and then get everything from classics to best sellers from

the inbuilt iBookstore. Once you download a book, it's displayed on your bookshelf. In addition to purchased books, the iBooks app can also store Adobe Acrobat PDF files, enabling you to read titles from a wider swath of publishers who don't publish in the ePub format that iBooks uses. You can add ePub books and PDFs to your bookshelf using iTunes. Then tap a book or PDF to start reading. iBooks remembers your location, so you can easily return to where you left off. A wide range of display options makes the books easy to read.

Syncing books and PDFs

To sync an ePub book or PDF to iPhone, download the book or PDF using your computer. Then, in iTunes, choose **File > Add to Library** and select the file. Connect iPhone to your computer, select the book or PDF in the Books pane in iTunes, and then sync iPhone. If a PDF doesn't appear in the Books pane, you need to change its type in iTunes. Search your iTunes library to find the PDF, select it, then choose **File > Get Info**. In the Options section of the file information window, choose Book from the Media Kind pop-up menu, then click OK.



The overview of iBooks app on an iPad

Using the iBookstore

In the iBooks app, tap Store to open the iBookstore. From there, you can browse featured books or best sellers, and browse for books by author or topic. When you find a book you like, you can purchase and download it.

- ▶ **Get more information:** In the iBookstore, you can read a summary of the book, read or write a review, and download a sample of the book before buying it.
- ▶ **Purchase a book:** Find a book you want, tap the price, then tap Buy Now. Sign in to your Apple account, then tap OK. Some books may be free for downloading.

Books that you purchase are synced to your iTunes library the next time you sync iPhone with your computer. This provides a backup in case you delete the book from iPhone.

Manage collections

Imagine a real-world library where all the books are stacked haphazardly in the middle of the floor. That's what the iBooks library could become, if not for collections and controls for organising the titles. Right away, iBooks includes two collections: Books, for ePub files, and PDFs, for files in the Portable Document Format (PDF). If you've added any PDF files to iBooks, view them by doing one of the following:

- ▶ Tap the Collections button, then tap the PDFs button to see them arranged on another shelf.
- ▶ Swipe right or left to switch between collection shelves.

Rearrange or remove titles

Normally, books and PDFs appear in the order you add them to the library, with the most recent title appearing at the top-left location. You can move them around easily: Touch and hold a title, and drag it to a new spot. To delete titles, do the following:

- ▶ Tap the Edit button.
- ▶ Select one or more titles by tapping their covers (which gain blue checkmarks).
- ▶ Tap the red Delete button (you'll be asked to confirm this deletion).

Books are backed up to your computer when you sync to iTunes. If you want to keep a book on your computer but remove it from the iPad's library, make sure you sync before deleting it from iBooks.

Organize titles into collections

Collections let you do more than just separate books and PDFs—you can create multiple shelves based on whatever organising criteria you come up with. For instance, you could separate biographies, science fiction, and historical romances on their own sets of shelves. To create a new collection, do the following:

- ▶ Tap the Collections button, and then tap the New button.
 - ▶ Type a name in the blank field that appears, then tap Done.
- Tapping the Edit button in the popover enables you to reorder or delete collections (although Books and PDFs can't be altered). Despite the two default camps for books and PDFs, collections are agnostic as far as file format, allowing you to place books and PDFs side by side on a shelf.

To view a collection, tap the Collections button and then tap that collection's name. Or, swipe left or right to switch between them.

Move titles to collections

After you've set up some collections, moving titles between them is similar to the steps for deleting books.

- ▶ Tap the Edit button.
- ▶ Tap to select the titles you wish to move.
- ▶ Tap the Move button.
- ▶ Tap the collection name to set the destination for the move. (You can also create a new collection at this step if you thought of a new categorisation.) iBooks moves the titles and whisks you to that collection.

Browse in List view

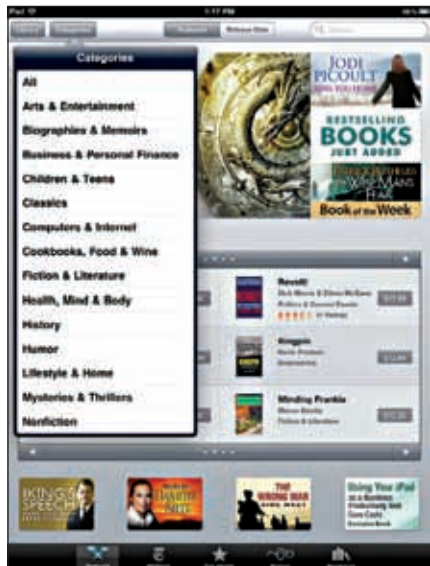
Should any of your collections get too full of titles, or you want a sorted view, tap the List view button.

The List view presents more options for organising the library. Tap one of the buttons at the bottom of the screen to reorder the list.

Titles in the List view can be reordered, deleted, and moved to different collections, just as they can in the main Bookshelf view. To delete a book quickly in the List view, swipe its title left-to-right (or right-to-left), and then tap the Delete button that appears.

Search for books

When the number of books in your library starts to get really out of control, you can use the Search Books field hidden at the top of both the Bookshelf and List views to locate a title. Swipe down until you reach the top to reveal the Search field in either

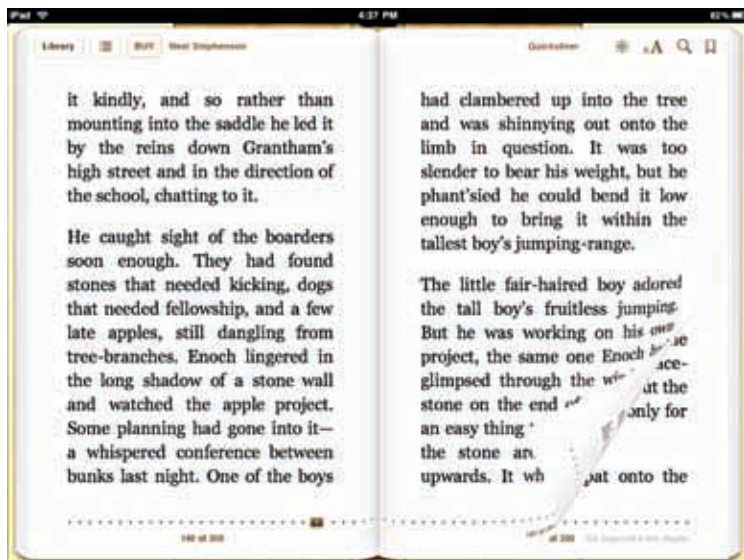


Searching for books on the App Store

view, tap inside the field, and then start typing a title or author name to narrow the list.

Reading Books

Reading a book is easy. Go to the bookshelf and tap the book you want to read. If you don't see the book you're looking for, tap the name of the current collection at the top of the screen to go to other collections.



Flipping through books on the iBooks app is the next best thing to actual paper

- ▶ **Turn pages:** Tap near the right or left margin of a page, or flick left or right. To change the direction the page turns when you tap the left margin, go to **Settings > iBooks**.
- ▶ **Go to a specific page:** Tap near the center of the current page to show the controls. Drag the page navigation control at the bottom of the screen to the desired page, then let go.
- ▶ **Go to the table of contents:** Tap near the center of the current page to show the controls, then tap an entry to jump to that location, or tap Resume to return to the current page.
- ▶ **Add or remove a bookmark:** Tap the ribbon button to set a bookmark. You can have multiple bookmarks. To remove a bookmark, tap it. You

don't need to set a bookmark when you close a book, because iBooks remembers where you left off and returns there when you open the book again.

- ▶ **Add, remove, or edit a highlight:** Touch and hold any word until it's selected. Use the grab points to adjust the selection, then tap Highlight. To remove a highlight, tap the highlighted text, then tap Remove Highlight. To change the colour of a highlight, tap the highlighted text, then tap Colors and select a colour from the menu.
- ▶ **Add, remove, or edit a note:** Touch and hold any word until it's selected. Use the grab points to adjust the selection, then tap Note. Type some text, then tap Done. To view a note, tap the indicator in the margin near the highlighted text. To remove a note, tap the highlighted text, then tap Delete Note. To change the colour of a note, tap the highlighted text, then tap Colors and select a colour from the menu.
- ▶ **See all your bookmarks, highlights and notes:** To see the bookmarks, highlights, and notes you've added, tap once, then tap Bookmarks. To view a note, tap its indicator.
- ▶ **Enlarge an image:** Double-tap the image.

To read a book while lying down, use the portrait orientation lock to prevent iPhone from rotating the screen when you rotate iPhone. See “Viewing in Portrait or Landscape Orientation” on page 32.

Reading PDFs

You can use iBooks to read PDFs. Go to the bookshelf and tap Collections, select a collection, then tap the PDF you want to read.

- ▶ **Turn pages:** Flick left or right.
- ▶ **Enlarge a page:** Pinch to zoom in on the page, then scroll to see the portion you want.
- ▶ **Go to a specific page:** Tap near the center of the current page to show the controls. Then, in the page navigation controls at the bottom of the page, drag until the desired page number appears, or tap a thumbnail to jump to that page.
- ▶ **Add or remove a bookmark:** Tap the ribbon button to set a bookmark. You can have multiple bookmarks. To remove a bookmark, tap it.

You don't need to set a bookmark when you close a PDF, because iBooks remembers where you left off and returns there when you open it again.

- ▶ **Go to the table of contents:** Tap near the center of the current page to show the controls, then tap. Tap an entry to jump to that location, or tap

Resume to return to the current page. If the author hasn't defined a table of contents, you can tap a page icon instead to go to that page.

Changing a book's appearance

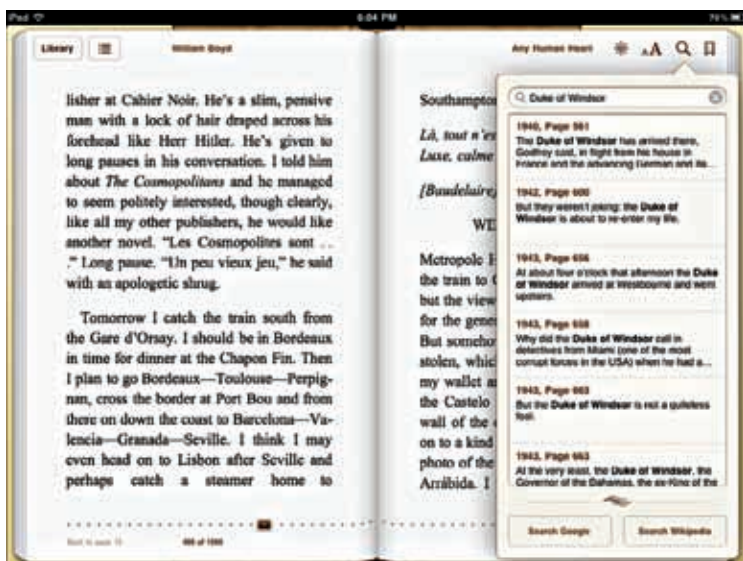
To change the appearance of a book, access the controls by tapping near the center of a page.

- ▶ **Change the font or type size:** Tap the font icon, then in the list that appears, tap or to reduce or enlarge the type size. To change the font, tap Fonts, then select one from the list. Changing the font and size also changes text formatting.
- ▶ **Change the brightness:** Tap *, then adjust the brightness.
- ▶ **Change the page and type color:** Tap the font icon, then turn the Sepia option on to change the colour of the page and type. This setting applies to all books.

You can change the way that iBooks justifies the text of paragraphs in Settings > iBooks.

Searching books and PDFs

You can search for the title or author of a book to quickly locate it on the



Search for text by tapping on the top-right corner

bookshelf. You can also search the contents of a book to find all the references to a word or phrase you're interested in. You can also send a search to Wikipedia or Google to find other related resources.

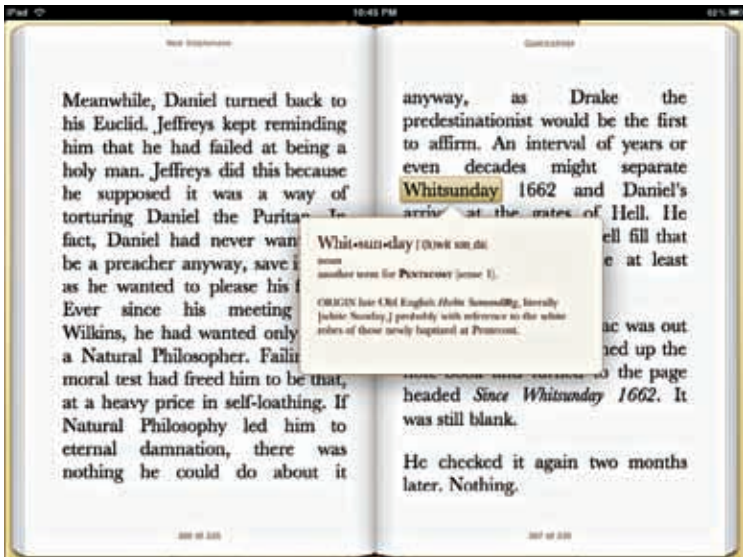
- **Search for a book:** Go to the bookshelf. If necessary, change to the collection that you want to search. Tap the status bar to scroll to the top of the screen, then tap the magnifying glass. Enter a word that's in the title of a book, or the author's name, then tap Search. Matching books appear on the bookshelf.
- **Search in a book:** Open a book and tap near the center of the page to show the controls. Tap the magnifying glass, then enter a search phrase and tap Search. Tap a search result to go to that page in the book.

To send your search to Google or Wikipedia, tap Search Google or Search Wikipedia. Safari opens and displays the result. To quickly search for a word in a book, touch and hold the word, then tap Search.

Looking up the definition of a word

You can look up the definition of a word using the dictionary.

- **Look up a word:** Select a word in a book, then tap Dictionary in the menu that appears. Dictionaries may not be available for all languages.



Using the Dictionary on iBooks

Having a book read to you

The iPad includes VoiceOver, an accessibility feature for people with limited vision that reads aloud text and the names of onscreen elements. It's also a way to have iBooks read a book to you while you are cooking, driving, or otherwise wanting a textbook to act like an audiobook. When iBooks was first introduced, the VoiceOver feature was limited to reading back just one page at a time in its synthesized voice. However, that limitation has been lifted and reading now flows automatically from one page to the next.

To use VoiceOver, you'll have to do a little system-wide preference set-up and learn a few new gestures to control the iPad. To give it a try, do the following:

1. In **Settings > General > Accessibility > VoiceOver**, tap the VoiceOver switch to On.
2. In a book within iBooks, tap once anywhere in the text and then flick up with two fingers to begin reading the page. When the end of the page is reached, it turns automatically and continues reading the next page.
3. To pause at any time, tap the screen with two fingers. Tapping again with two fingers restarts the reading.

Printing or emailing a PDF

You can use iBooks to send a copy of a PDF via email, or to print all or a portion of the PDF to a supported printer.

- ▶ **Email a PDF:** Open the PDF, then tap and choose Email Document. A new message appears with the PDF attached. When you finish addressing and writing your message, tap Send.
- ▶ **Print a PDF:** Open the PDF, then tap and choose Print. Select a printer and the page range and number of copies, then tap Print.

You can only email or print PDFs. These options aren't available for ePub books.

Organising the bookshelf

Use the bookshelf to browse your books and PDFs. You can also organise items into collections.

- ▶ **Sort the bookshelf:** Go to the bookshelf and tap the status bar to scroll to the top of the screen, then tap and select a sort method from the choices at the bottom of the screen.
- ▶ **Rearrange items on the bookshelf:** Touch and hold a book or PDF, then drag it to a new location on the bookshelf.
- ▶ **Delete an item from the bookshelf:** Go to the bookshelf and tap Edit. Tap

each book or PDF that you want to delete so that a checkmark appears, then tap Delete. When you finish deleting, tap Done. If you delete a book you purchased, you can download it again from Purchases in the iBookstore. If you've synced your device with your computer, the book also remains in your iTunes Library.

- ▶ **Create, rename, or delete a collection:** Tap the name of the current collection you're viewing, such as Books or PDFs, to display the collections list. Tap New to add a new collection. To delete a collection, tap Edit, then tap and tap Delete. You can't edit or remove the inbuilt Books and PDFs collections. To edit the name of a collection, tap its name. When you finish, tap Done.
- ▶ **Move a book or PDF to a collection:** Go to the bookshelf and tap Edit. Tap each book or PDF that you want to move so that a checkmark appears, then tap Move and select a collection. Items can be in only one collection at a time. When you add a book or PDF to your bookshelf for the first time, it's put into the Books or PDF collection. From there, you can move it to a different collection. You might want to create collections for work and school, for example, or for reference and leisure reading.
- ▶ **View a collection:** Tap the name of the current collection at the top of the screen, then pick a new one from the list that appears.

Bookmark and note syncing

iBooks saves your bookmarks, notes, and current page information in your Apple account, so they're always up to date and you can read a book seamlessly across multiple devices. For PDFs, the bookmarks and current page information are synced.

- ▶ **Turn bookmark syncing on or off:** Go to **Settings > iBooks**, then turn Sync Bookmarks on or off.

You must have an Internet connection to sync your settings. iBooks syncs information for all of your books when you open or quit the app. Information for individual books is also synced when you open or close the book.

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If you purchase or download an ePub file, you can add the book to your

iBooks library. In iTunes, drag the file to the Library section in the sidebar, or to the iTunes application icon; you can also choose **File > Add to Library** and locate the file. The book is added to the iPad the next time you sync.

Creating your own ePub books

Writing a novel? Or perhaps you have an electronic book formatted as a text-only file? With the assistance of a few utilities, you can build your own ePub files for viewing in iBooks (or any other reader that accepts the format). Here are a few examples:

- ▶ Calibre (www.calibre-ebook.com) is an application available for Windows, Mac OS X, and Linux that accepts several text formats and converts a document to an ePub.
- ▶ Storyist (storyist.com) for Mac OS X includes support for outputting ePub files, including adding images.
- ▶ Adobe InDesign (www.adobe.com) is the big gorilla in this zoo, with support for creating Adobe Digital Editions as ePub files.
- ▶ Pages, from Apple's iWork (www.apple.com/iwork/), allows you to export any document into the ePub format for reading in iBooks.
- ▶ Stanza Desktop (www.lexcycle.com) was designed to create ePub files for the universal Stanza iPad/iPhone app, but the files also work in iBooks.

Use newspaper and magazine apps

You can find all the iOS-worthy news apps at **App Store > Categories > News**, but here are a few of the big ones:

- ▶ **The New York Times:** It's the full daily paper, but only free for the first 20. The app offers up the day's top stories in several categories, like Technology and Opinion. Tap a story summary to see it expand to the full screen.
- ▶ **The Daily:** An electronic newspaper designed specifically for the iPad, The Daily presents the day's news in an interactive blend of text, graphics, and video.
- ▶ **The Wall Street Journal:** Since the early days of the Internet, the WSJ has been one of the few news sites on the Web to charge for full access, and its app continues the tradition. The app is free, and you can get a limited selection of stories when you register with the company.
- ▶ **Zinio Magazine Newsstand:** Want to browse a whole bunch of magazines and flip through a few before you buy? Try the Zinio app, which offers full-color sample pages from many printed mags (like The Econo-

mist, National Geographic, The Sporting News, and Cosmopolitan), all digitised and zoomable for your reading pleasure. The app is free, but the magazine content costs money.


In addition to newsstand publications, news services—which often supply stories to some of those publications—also have great apps. All of the ones mentioned below include video clips of news events as well as text stories.

- ▶ **AP News:** The Associated Press compiles the day's top stories into a free-form flow of little news bars on the screen in this no-cost app. Tap one to get the scoop. Photos and videos of the day are also here.
- ▶ **BBC News:** The British Broadcasting Corporation's beautifully designed app neatly organises the day's stories in an easy-to-read, easy-to-navigate grid on the screen. Along with video clips, the Beeb – once and still a radio broadcaster – gives you a live radio stream with a tap on the Live Radio button at the top of the screen.
- ▶ **Reuters News Pro:** With its quick access to the world stock-market charts and a built-in currency converter, this free app from the Thomson Reuters service is great for the financially minded. The app also showcases the top stories and photographs of the news day.

Read PDF files and more with GoodReader

While iBooks does a good job handling PDF files, it's not compatible with files created in Microsoft Office (.doc, .ppt., and .xls) or Apple iWork. To overcome these limitations, download the reader to end them all: GoodReader (www.goodiware.com).

GoodReader is one of those apps that does so much you feel like you're scratching the surface. A more powerful PDF viewer than iBooks, GoodReader offers more options for viewing PDFs (including orientation adjustment and double pages) and can mark up pages (from highlighting and notes to drawing figures and underlining text). In addition to viewing these static files, you can also play a wide range of video and audio files as well as view Web archives (which bundle all text and images from Web pages and preserve their original layout) saved from Safari on your Mac or PC.

You can import files by using the drag-and-drop interface in the Apps pane within iTunes, by transferring files over a Wi-Fi network, by downloading from the Web, and even by accessing your Dropbox account. It preserves Web links, lets you add bookmarks, allows you to password protect files, and so much more than we have room to go into here. 

CHAPTER #5



GAME CENTER

With the gaming experience iOS devices give you, you'll prefer to spend most of your time either getting addicted to some of them, or try out new games every day.



ith digital music, videos, and books tucked inside your iOS device's slim glass-and-metal

form, you have plenty of choices for entertainment. But if you want to play instead of just sitting back and pushing Play, your phone/tablet makes a nice high-def game console as well. You can zap zombies, thwart governments, and channel your inner Dale Earnhardt Jr. You can also relive your glory days at the arcade. With Game Center:

- ▶ You can discover new games and share your game experiences with friends around the world in Game Center.
- ▶ Invite your friends to play, or use auto-match to find other worthy opponents.
- ▶ Check leader boards to see who the best players are. Earn bonus points by achieving specific accomplishments in a game.

To use Game Center, you need an Internet connection and an Apple ID. If you already have an iTunes Store, MobileMe, or other Apple account, you can use that Apple ID with Game Center. If you don't already have an Apple account, you can create a new one in Game Center, as described below.

Setting up Game Center

When you first open Game Center, you're asked if you want to allow push notifications. (You may first be asked if you want to turn on Notifications.) Notifications may include alerts, sounds, and badges that let you know about Game Center events even when you're not using Game Center. For

example, you might receive an alert that a friend has invited you to play a game.

► **Allow notifications:** Tap OK.

If you tap Don't Allow, you won't receive notifications for Game Center. You can turn notifications on at a later time if you want, and you can specify what kinds of notifications you want to get.

► **Turn notifications on or off:** In Settings, choose Notifications. Turning off Notifications disables all notifications for all apps.

► **Specify which notifications you want for Game Center:** In Settings, choose **Notifications > Game Center**, then configure the Sounds, Alerts, and Badges settings. If Game Center doesn't appear, turn on Notifications.

► **Set up Game Center information for your Apple ID:**

1. Enter your Apple ID and password, then tap Sign In. You may be asked to provide additional information. If you don't have an Apple ID, you can create one by tapping Create New Account.
2. Tap Agree to accept the Game Center Terms & Conditions.
3. Enter a nickname – the name others will see and know you by.
4. Configure your Game Center settings: To allow other users to invite you to play a game, leave Allow Game Invites turned on. Otherwise, tap to turn it off. To allow other users to find you by your email address, leave Find Me By Email turned on. Otherwise, tap to turn it off. Verify your account email. You can enter a different address if you don't want to use the one from the Apple account you used to sign in. To confirm this address as yours, you'll need to respond to the email that is sent to that address. To add more email addresses that people can use to contact you in Game Center, tap Add Another Email.
5. Tap Next when your account is configured.

► **Change Game Center settings for your Apple ID:**

1. Tap Me at the bottom of the screen, then tap your account banner.
2. Tap View Account.
3. Make your changes, then tap Done.

► **Sign in using a different Apple ID:**

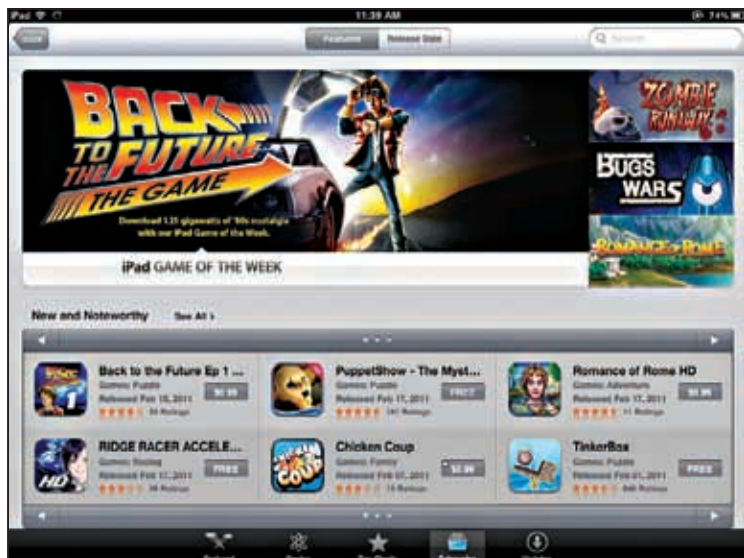
1. Tap Me, then tap the account banner at the bottom of the screen.
2. Tap Sign Out.
3. Enter the new Apple ID and password, then tap Sign In.

Games

Games for Game Center are available from the App Store.

Purchasing and downloading games

To start your big-game hunt, you have to hit the App Store. You can buy and download games in iTunes and then sync them to your iOS device, or you can buy them on the device itself.



Browsing through Games on the App store

To browse the iTunes Store on your Windows PC or Mac, choose **App Store > Games**. To find games on your device:

Go to **Categories > Games** and flick through the screenshots flowing across the Spotlight section until you see a game you like. Tap through the **New & Noteworthy** titles to see what's recently arrived. Tap the **Top Charts** button at the bottom of the screen, tap the **Categories** button in the menu bar, and then choose **Games** to see the best-selling titles – and the most popular free games. (Games, being a popular pastime, are often the top-sellers of all the App Store's wares.)

Tap the **Search** box in the upper-right corner and type in keywords to find a specific type of game (“cards”) or game title (“Table Poker”). Tap any game listed to see its Store page, which includes system requirements, age ratings, sample screens, and reviews.

Playing games

The Games screen displays the games you download from the App Store. For each game, your number of achievements and your ranking among all the game's players are displayed.

- ▶ **Get information about a game:** Tap Games, then tap a game. If available, you can display the game's leaderboards, see your achievements for the game, and find out who's recently played the game.
- ▶ **Play a game:** Tap Games, choose a game, then tap Play.

Depending on the game, the home screen may provide instructions or other information, and let you view leaderboards and achievements, set game options, and start a single or multiplayer game. To play against others, you can either invite a friend or use auto-match to have Game Center find other players for you. For multiplayer games, you can also send a game invitation from the Friends screen.

- ▶ **Invite a friend to a multiplayer game from the Friends screen:**

1. Tap Friends at the bottom of the screen.
2. Choose a friend.
3. Choose a game and tap Play. If the game allows or requires additional players, you can choose players to invite, then tap Next.
4. Enter and send your invitation, then wait for the others to accept.
5. Start the game.

If a friend isn't available or doesn't respond to your invitation, you can tap Auto-Match to have Game Center find another player for you, or tap Invite Friend to try inviting some other friend. Other players may invite you to play the game.

- ▶ **Respond to an invitation to play a game:** Tap Accept or Decline in the alert that appears. You can disable multiplayer games in Restrictions. You can prevent other players from inviting you to play games by turning off Allow Game Invites in Game Center settings.
- ▶ **Return to Game Center:** Press the Home button, then tap Game Center on the Home screen. You can also press the Home button twice quickly, then tap Game Center in the list of recent apps.

Leaderboards

Some games provide one or more leaderboards to show the ranking of the game's players, with their scores, times, or other measures of the players' success.

- ▶ **See a game's leaderboard:** Tap Games, then choose the game and tap Leaderboard. You may also be able to view leader boards from within

a game. If a game has variations (such as Easy, Normal, and Hard), the Categories screen lets you choose the leaderboard for the game in general, or for one of the variations. The leaderboard also shows the ranking of your friends, and of all players. You may be able to view leader board stats for a specific time period, such as today, this week, or all time.

Rotate the iPhone to see the leaderboard in landscape orientation.

- ▶ **Start playing a game from the leaderboard:** Tap Play in the upper-right corner.

Achievements

Some games reward you with bonus points for specific achievements.

- ▶ **See the possible achievements for a game:** Tap Games, choose a game, then tap Achievements. For each achievement, Game Center shows how many bonus points are awarded, and whether you've completed the achievement. The total points awarded for your achievements appear at the top. You can get bonus points for a specific achievement only once. You may also be able to view achievements from within a game.

Recently played

Some games let you see which of your friends have recently played the game.

- ▶ **See who's recently played a game:** Tap Games, tap a game, then tap Recently Played.
- ▶ **Get information about a player:** Tap a player's name in the list.

Friends

Game Center puts you in contact with players around the world. You add friends to Game Center by making a request, or by accepting a request from another player.

- ▶ **Add a friend to Game Center:**

1. Tap Friends or Requests.
2. Tap +, then enter a friend's email address or Game Center nickname. Matching addresses and names from your contacts appear as you type. Tap a contact to include that person in your request. Tap to browse your contacts. To add several friends at once, enter additional contacts.
3. Enter a message for your request, then tap Send.

In order to become a friend, a person must accept your request. Other players might send you a request. If you receive an alert, you can accept the request from there, or close it and respond to the request later from the

Request screen. An alert badge on the Requests button shows the number of outstanding friend requests.

- ▶ **Respond to a friend request:** Tap Requests, tap the name of the person making the request, then tap Accept, Ignore, or Report a Problem. When a player accepts another player's request, they each become the other's friend. Friends' names appear on the Friends screen.
- ▶ **Get information about a friend:** Tap the friend's name.
- ▶ **Search for a friend:** Tap the status bar to scroll to the top of the screen, then tap the search field and start typing. Friends who match your search appear as you type.

A friend's info page shows how many friends (including you) the person has, the number of different games your friend has played, and how many achievements your friend has completed. The info screen may also show:

- ▶ The games you've played together
- ▶ The games you have in common
- ▶ Other games your friend has

You can tap a game in any of the lists to see your position and your friend's position on the overall leader board, and your respective accomplishments for the game.

- ▶ **Invite a friend to play a game:** Tap Friends, tap the friend's name, tap a game, then tap Play.
- ▶ **Remove a friend:** Tap Friends, tap a name, then tap Unfriend and tap Remove. If a player is offensive or exhibits inappropriate behaviour, you can report the problem.
- ▶ **Report a problem with a friend:** Tap Friends, tap the friend's name, then tap "Report a Problem." Describe the problem, then tap Report to send the report. If you turn off Multiplayer Games in Settings, you can't send or receive invitations to play games.

Your status and account information

The Me screen summarizes information about your friends, your games, and your achievements. The text field in the center of the screen lets you enter your current status message. Your status appears along with your nickname in other players' Friends screens.

- ▶ **Change your status:** Tap the status field and use the keyboard to enter or update your status.
- ▶ **View your account information:** Tap the account banner, then tap View Account.

From here you can change or update the following settings:

- ▶ Nickname
- ▶ Allow game invites
- ▶ Find Me By Email
- ▶ Your mail address for Game Center
- ▶ Additional email addresses

When you finish, tap Done. You can also sign out and sign in to a different account, or create a new account.

- ▶ **Sign out:** Tap the account banner, then tap Sign Out. To sign in to another account, enter your username and password, then tap Sign In. To create a new account, tap Create New Account and follow the onscreen instructions.

Troubleshoot games

Some games work flawlessly, while others may be a little more unstable, acting erratically, bombing out on you, and frustrating you (especially if you paid good money for them). If that happens, first shut down and then restart your iPad. If that doesn't help, return to the App Store to see if there are any updates for the game – many developers quickly issue fixes if enough people complain.

(Complaining to Apple probably won't help much since they just sell the games.) In general, if a game begins to crash on you, uninstall it (press down on its icon until they all start wiggling and a circle with a cross in it is displayed. Tap the cross and you will get a pop-up asking if you want to delete it. Return to the App Store and re-download the game to see if that clears things up. Don't worry, you won't have to pay for the game again. If you're still having trouble, go to the game creator's web site. Most major developers have support and troubleshooting information there, and the game's Store page often includes links to the developer's site or an App Support button. And if you really like a certain game and want to see more titles from the same company, check the game's App Store page again – it sometimes includes a list of other games the company has created for the iPad.

An iPad games gallery

The App Store has just about every type of game you can think of: casual games, action games, shooter games, goofy games, mind-numbingly-repetitious-but-still-better-than-working games, and old favorites. Apple

adds new games every week, so if you're serious about gaming, it's worth a regular visit to keep an eye out for new releases. If you want a few games to get started with, here are the ones that proved popular with iOS owners right off the bat:

Angry Birds

Dangerously addictive but deceptively simple, Angry Birds lets you use cartoon birds as weaponised projectiles in an escalating war against a posse of egg-stealing green pigs. (Don't ask.) Revenge relies on vectors and basic principles of physics, but the gist is to use a slingshot to angle an 'angry bird' at the smug little pigs. The real challenge? Putting your phone down once you've started.



Scrabble

Hasbro's iPhone app version of Scrabble might be even better than Grandpa's board version. You can match wits against the computer, against online opponents, or against your friends via Facebook. Scrabble pros can have up to 50 games going at once, while newbies will appreciate the game's learning tools, including a teacher mode and a cheater option, which allows the computer to choose the highest-score word for you.

Plants vs. Zombies

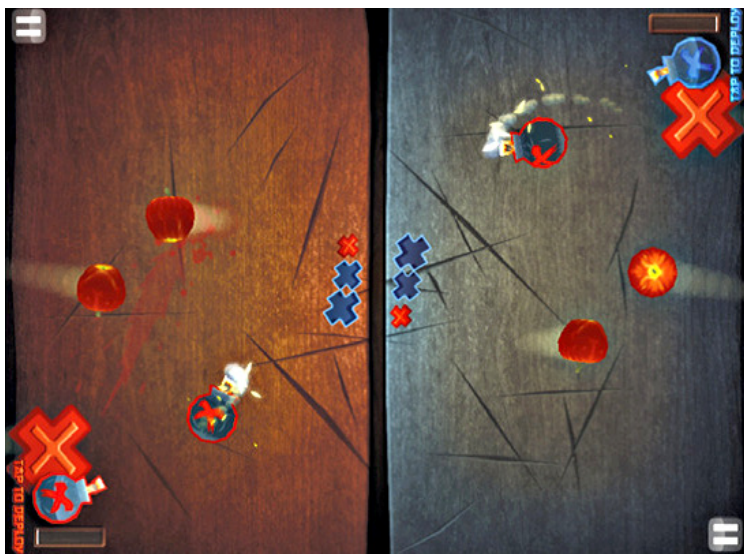
The thought of a zombie attack is enough to keep any sensible person up at night. But you know what's even scarier? Watching waves of zombies trampling your nicely manicured lawn. That national (or at least gardener's) nightmare is realized in *Plants vs. Zombies*, a perennial best-seller. Game rules? The zombies advance, you bombard them with any number of flora, including ears of corn and frozen watermelons. That's just common sense, right?

Doodle Jump

One of the top-grossing apps of all time, *Doodle Jump* remains as compelling as ever. Tilt your phone to guide the adorably-long-snouted Doodler as he climbs a piece of graph paper, all the while dodging black holes, shooting monsters, and picking up goodies. Between the game's range of colourful winter, jungle, space and graveyard themes and its lack of a finish line, *Doodle Jump* is tough to quit.

Fruit Ninja

Who knew that a Ninja's worst enemy could be fruit? Apparently, Half-brick Studio, the developer of this popular game. Just swipe your finger



to cleave flying fruit in two, ideally before they hit the ground. Oh, and keep a watch out for bombs; mistakenly slice one, and it's game over. The app is integrated with OpenFeint (so you can compete with your friends), and it's an ideal app for commuters or for those stuck in a slow-moving grocery store line.

Cut the Rope

Angry Birds dominated the App Store in 2010, but Cut the Rope – an equally addictive puzzle-like game – gave it a run for its money at the end of the year. Featuring Om Nom – a wee green creature with none of the rage of the Angry Birds but all of the aww! factor – Cut the Rope requires players to manoeuvre a piece of hard candy through a maze of obstacles and rope-cutting, and into the open mouth of an eager Om Nom.

Pictureka

It's either Where's Waldo? for the iPhone generation, or hell for anyone who has ever lost their keys in a messy room. Pictureka presents gamers with a screen cluttered with objects, and a list of things they must find (think five pieces of fruit, or six objects from space). Find them all before the clock runs out and get rewarded with... a new list. Trust us, it's more addictive than it sounds.

Wurdle

With Wurdle, users spot then trace words from a grid of letters, acrostic-style, to see how many words they can make in a two-, three- or five-minute period. Stuck? Shake the phone to scramble the tiles, then get back to word hunting. At game's end the app will helpfully shame you with a list of all the words you missed, and also let you compare scores with friends or with other players online.

GeoDefense Swarm

The principle is simple: Stop the creatures by blasting them with strategically-placed cannons before they reach your base. When it comes to the gameplay itself, things can quickly — but entertainingly — spiral out of control. (Before you know it, the casualty count will include your phone battery.) GeoDefense Swarm is easy enough for a child to play, but mastering it takes a nimble mind and even nimbler fingers.

Archetype

One of the best 3D arena shooters for the iPhone. Smooth multiplayer and easy handling. If you're going to play a first-person shooter on the go, this is the one.

Rhythm Spirit

A rhythm-fighting game based on Japanese folklore. Very unique with top-notch production values. Can't go wrong with ninjas, fighting, and music.

Ragdoll Blaster 2

Sequel to the fun and creative physics game. Blast ragdolls out of your canon to hit various targets. Tons of levels and really interesting puzzles.

Canabalt

The iPhone version of the popular flash game. Original escape game where you run away from impending doom, dodging obstacles and crashing through windows.

Chaos Rings

One of the few games priced above \$10 that sold really well. A deep RPG with fantastic graphics from Square Enix.

The Horrible Vikings

A trajectory game steeped in style. Launch your vikings to hit enemies and items alike. A full upgrade system and use of power-ups adds nice depth.

Trenches

Fun side-scrolling strategy game where you employ the use of soldiers, machine guns, rifles and bombs to destroy your enemy.

God Finger

Keep your followers healthy and working. Create buildings, farms, and taverns for your peasants to enjoy. Control the weather and become the dictator of your own little world.

Parachute Ninja

Fling your ninja ball through the air in this interesting platformer. Reach higher and higher platforms, while avoiding obstacles and enemies.

Pocket Legends

This MMORPG deserves attention for an ambitious endeavour. Choose a class and work on levelling up, meeting strangers, and battling enemies.

Monkey Island 2

Sequel to one of the best adventure games ever released. More humour, puzzles, and story that we've come to expect from this classic series.

Zenonia 2

Follow-up to the hit action RPG Zenonia. With more playable classes, abilities, items, story and artwork, this is a must-have for RPG fans.

Infinity Blade

In Infinity Blade you must fight your way through the God King's lair and avenge your father's death. The game is a linear adventure where you fight numerous one-on-one battles with the God King's henchmen by swiping across the screen to attack and dodge your enemies. Visually stunning and perfect for the iPad's large touch display.

Superbrothers: Sword and Sworcery

A wonderful action adventure game with a truly superb retro visual style. In Sword and Sworcery adventure through levels solving musical puzzles to a score composed by Jim Guthrie, and the graphics were designed by Superbrothers. An enchanting experience and one of the best iPad games yet.

Real Racing HD 2

One of the few games designed specifically to take advantage of the faster graphics chip in the iPad 2, the visuals in Real Racing 2 are the best way to show off what your new iPad 2 is capable of. Real Racing remains the benchmark for iOS gaming, bringing console quality graphics and gameplay to the small screen. Recommended.

Asphalt 6: Adrenaline HD

iOS Developer Gameloft's Asphalt 6: Adrenaline HD has been update with



refreshed graphics and the ability to take advantage of the iPad's faster dual-core processor. While gyroscope support was added to Asphalt 6, you'll only get to see it in effect during the Garage sequence, where you can turn your

iPad 2 and "check out your cars as if it were your real garage!" Racing mode still only uses the accelerometer, which will likely disappoint more than a few users.

Despite Asphalt 6's 641 MB size, the game isn't as visually slick as, say, Real Racing 2 HD—however, you'll get a wider variety of racing choices in Adrenaline HD. Both games are priced same, so if you're having trouble deciding, you might want to flip a coin.

Jenga HD

Maybe racing games and first-person zombie mutant shooters aren't your cup of tea – so how about a game of Jenga instead? The official Jenga HD app didn't require an update to take advantage of the iPad 1's new gyroscope – it turns out that developer NaturalMotion had already baked it into their last update.

If you're not familiar with Jenga, the goal is to take turns removing



blocks from a tower, and then place the pieces you've extracted up on top to create a taller (but less stable) structure as the game progress. It's insanely addictive, especially when played with others, and scores can be shared via Game Center. At press time, the HD iPad version was sporting a price tag of \$0.99, in honour of the iPad 2's release.

Modern Combat 2: Black Pegasus

Yes, there's an iPad-only HD version of Modern Combat 2: Black Pegasus available at the same price, but Gameloft has yet to update it with gyroscopic control. In the meantime, the iPhone/iPod touch version works just fine on the iPad 2, where it also takes advantage of the tablet's new gyroscope abilities-although it's a trade-off, since playing the game in 2x mode makes the graphic look worse.



Otherwise, the military shooter's 440 MB download

works as expected, though the gyro controls-including "improved headshot sensations"-seem a touch sensitive on the iPad 2's larger display. It's worth the time to sync it to your iPad 2 to get a taste of what the HD version will eventually offer.

N.O.V.A 2: Near Orbit Vanguard Alliance

Another popular Gameloft HD title that needs an upgrade to enable gyroscopic controls. But if you don't want to wait, you can buy the same-priced iPhone/iPod touch version of N.O.V.A. 2 and experience first-person sci-fi shooting on the iPad 2 today. Where Modern Combat 2 looked fairly blocky



on the iPad 2 in 2x mode, N.O.V.A. 2 appears to benefit from the small-screen version's fully optimised Retina Display graphics, making it both usable and fairly decent-looking.

The 716 MB app is frequently considered one of the iOS platform's superior titles: not only does it boast some of the best gyroscopic controls in the App Store, but it also provides online multiplayer through Gameloft Live.

Rage HD

Although it hasn't been updated since December, id Software's universal Rage HD already has gyroscope support built-in for the iPhone 4 and



fourth-generation iPod touch. So that means yes, Virginia, it also works on the iPad 2. You'll have to enable the gyroscope from the options so you can hold your tablet in front of you like a virtual window and kill bloodthirsty mutants with full gyroscopic control.

While you can play Rage HD on a second display using Apple's Component Cable or VGA Adapter, at press time, we couldn't get it to work with the new HDMI-packing AV Adapter (the HDTV screen is just black) — presumably, this quirk will be fixed in a future software update. This minor detraction aside, Rage HD still has plenty to enjoy within its 745 MB frame: Game Center leader boards and achievements, and tons of blood drenched fun. **d**



TIPS AND TRICKS

There are tricks that would let you get the best out of your Apple device. We'll list a few of them that would help you across a wide range of applications.

1. Use the Side Switch

You can use that neat switch on the side either to enable and disable audio alerts (this doesn't affect video/audio playback) or to lock the screen's orientation in portrait or landscape mode. You can toggle which function is assigned to the side switch by opening Settings from the Home screen, selecting General, and choosing the function you want under the 'Use Side Switch to' heading.

2. Multitask in iOS

You probably already know that you can press the Home button twice to bring up a list of currently running or suspended apps. However, you can also swipe the multitasking bar left to right to quickly access audio/video playback controls, a shortcut to the iTunes app itself, and volume controls. Also, when you choose whether the Side Switch should mute alert sounds or lock the screen orientation (see the item above), the function you didn't choose will appear in this shortcut bar.

3. Speed up your sentences

Double-tapping the spacebar while typing a message will type a period and then a space.

4. Don't let AutoCorrect mess you up

If you don't like the option AutoCorrect gives you, reject it by finishing the word as you prefer, and then tapping the suggestion. If you want to use AutoCorrect's choice, just type a space or punctuation mark, or tap Return, the moment it pops up.

5. Secure your backups

You can encrypt your iOS device's backup data in iTunes. Just open the iPhone/iPad in iTunes, click the Summary tab, and check Encrypt backup under the Options heading.

6. Prevent automatic sync once

Sometimes you don't want to sync your iPad when you connect it to your computer. In this case, hold down Shift-Control (or Command-Option, on a Mac) in iTunes while plugging your iPhone/iPad in, and iTunes will skip the automatic sync just once. Alternatively, you can safely interrupt a sync by dragging the unlock slider while the iPad is mid-sync.

7. Toggle data roaming

If you're using an iPhone/3G iPad, you can turn data roaming on in the Settings, Cellular Data menu in case you want to try receiving cellular Internet through a different provider (fees may apply). You can also check your data usage by going to Settings, General, Usage.

8. Make your passcode more complicated

iOS defaults to a four-number passcode, but you can turn it off by going to **Settings > General > Passcode Lock > Simple Passcode**. Now you can use any full keyboard password to lock the iPad. The password also helps to encrypt your mail and attachments on the iPad, so you probably want to make it safer than a four-digit number.

9. Set the iPad to self-destruct in 10 seconds

Okay, not really – but you can set the iPad to erase all data after ten failed passcode entry attempts by checking the Erase Data option under Settings, General, Passcode Lock.

10. Tweak AutoFill

You can choose to enable Safari's AutoFill feature in Settings, Safari, AutoFill. From there, you can tell Safari to fill forms automatically either by using your specified contact information or by remembering the names and passwords you've entered while logging in to web sites in the past.

11. Sync your bookmarks

You can use iTunes to sync your Safari bookmarks with your PC's Web browser. Open the iPad tab in iTunes, click the Info tab, scroll down to the Other heading, check Sync bookmarks with, and choose your preferred browser.

12. Email photos

The easiest way to e-mail photos from an iOS device is to open the Photos app, select a photo, press the button in the upper-right corner (the rectangle with the arrow, not the trash button), and choose Email photo... to send.

13. Know your Web links

You can check a linked word's actual destination URL by touching and holding down on the link – it's a perfect way to sniff out phishy links.

14. Choose an app for e-mail attachments

You can open a file attached to an e-mail message by tapping the attachment in Mail, but if the default app isn't the one you want to use, you can press and hold and wait for a menu that lets you select an app.

15. Use the iPhone/iPad as a picture frame

Not for physical photographs, silly. You can press the Picture icon in the lower-right corner of the Lock screen to have the iPhone/iPad display its available photos.

16. Show traffic conditions

Open Maps, press the dog-eared page icon in the lower right, and then turn the Traffic overlay on. If your iOS device has an Internet connection, Maps will show real-time traffic conditions in the displayed area. Green means traffic is going at the posted speed limit, yellow means traffic is slower than the posted speed limit, and red means traffic is stop-and-go.

17. Share podcasts with friends

Listening to a podcast that you think a friend would like? You can share the link while you're listening to it by pressing the Email button while it's open.

18. Don't forget your downloads

You can immediately see if your iTunes account is due for any incoming downloads by opening iTunes on your PC, clicking the Store menu, and selecting Check for available downloads. This trick can come in handy if your download process is interrupted, or if you missed some bonus iTunes content that came with an album you purchased.

19. Turn on Universal Access

You can enable options such as closed-captioned movies, VoiceOver screen reading, zoom magnification, and inverted white-on-black text

by selecting the iPhone/iPad in iTunes, opening the Summary tab, and clicking Configure Universal Access under the Options heading.

20. Forget Wi-Fi networks

So you accidentally connected to a network once, and your iOS device remembers it for life — whether you like it or not. On your iPhone/iPad, go to Settings, Wi-Fi, and find the network under the ‘Choose a Network’ heading. Tap the blue arrow next to the network you want to remove, and tap the button on the top that says Forget this Network.

21. Specify your Spotlight searches

The iOS uses Spotlight for its inbuilt search functions, and you can tweak it to your needs in Settings, General, Spotlight Search. If you have a lot of data on your iPhone/iPad, for example, you can selectively disable search in different categories (Contacts, Applications, Audiobooks, Notes, Events, Mail, and so on) that you don’t use so that your desired results show up faster. You can also simply change the order in which the search-result categories display by dragging them up and down, so that more frequently-used search categories show up at the top of the page.

22. Turn off in-app purchases

Go to **Settings > General > Restrictions > Enable Restrictions** to selectively enable restrictions that apply to your apps, content, Game Center, and more. If you’re worried about other people breaking your bank account on in-app purchases, just disable In-App Purchases under the ‘Allowed Content’ setting.

23. Switch up the fetching frequency

iOS automatically grabs new data, such as incoming e-mail. However, the iPhone/iPad periodically activates apps that don’t support iOS’s Push feature so that they can go “Fetch” new data – which uses the tablet’s battery life. You can tweak your Push and Fetch settings in Settings, Mail, Contacts, Calendars, Fetch New Data.


24. Change your e-mail signature

Don’t be one of those people who leave the default ‘Sent from my iPhone/iPad’ signature on all their messages. Change it in Settings, Mail, Contacts, Calendars, Signature to...well, anything but that.

25. Swap the search engine

Too good for Google? You can change Safari's default search engine by going to Settings, Safari, Search Engine. Alas, you can only choose from Google, Bing, or Yahoo – no bringing back AltaVista for you.

26. Take a screenshot of whatever is on the screen

Press Home and the sleep/wake button simultaneously. The screenshot will automatically appear among your photos. 

CHAPTER #7



WHAT TO LOOK FORWARD TO FROM iOS 5

With iOS 5, Apple has now brought in several exciting features including cloud support. You can now backup your data online and do much more.



t the Worldwide Developers Conference 2011, at San Francisco Apple executives released

iOS5 for developers on June 06, 2011 and it will be available for users by end 2011. iOS 4.3.3 is Apple's last version upgrade for iOS devices. The iOS 5 update boasts 200 new features and 1,500 new APIs. Several new features were demonstrated on stage and many found those features similar to ones offered by other mobile operating systems. The biggest surprise came with the PC Free feature that is complemented by the much-hyped iCloud, a web based data syncing service. That means you won't have to hook your iOS device to a PC or Mac using a cable. Instead, you can get updates and sync data over the air.

iOS 4 vs. iOS 5

iOS 4.3.3 being the latest update of iOS 4 before 5, has many feature which aids for finding solution for location issue, battery life improvement and iPod bug fixes. Apart from these features, all other features are same as of iOS 4.3, iOS 4.3.1 and iOS 4.3.2. Since there was an issue about location tracking before, Apple felt it need not back up the locations anymore.

iOS 5 Compatible Devices

- ▶ iPad 2,
- ▶ iPad,

	iOS 4	iOS 5
Device Support	iPhone 3G, iPhone 3GS, iPhone 4, iPad, Pad 2, and the second and third generations of iPod touch	iPhone 3GS, iPhone 4, iPad, iPad 2 and 3rd and 4th generations of iPod touch
Notifications	Pop-up Notifications: Separate alerts for text messages, missed calls and voicemails, and push notifications from apps; interrupted videos and games.	Notification Center; Aggregates all notifications, including texts, missed calls and voicemails, and push notifications from apps; list at top of screen that doesn't interrupt videos or gaming
News	Individual apps: Each magazine and newspaper had a separate app that had to be opened and read individually	Newsstand: Magazine and newspaper subscriptions organized on a news stand that looks similar to the iBooks layout
Twitter	Standard Twitter app: Users had to open the app to tweet stories, photos, etc.	Twitter integration (Tweet Sheet): Tweet photos directly from the camera app and share stories from within Safari with one click
Web- Browsing	Tap-to-zoom to make text fill the screen, no "read it later" function, browsing separated into pages/ windows	Safari Reader fills screen with text in one click. Reading List allows stories to be bookmarked for later, browsing now in separate tabs
Lists	Notes app allowed users to make lists, but no sync capability offered	Reminders app allows to-do list creation as well as syncing with iCal, Outlook and iCloud
Camera	Photos only taken through Camera app from home screen, slide-to-zoom, no exposure settings, no editing on device	Camera icon now on lock screen, volume up button used to take photos, pinch-to-zoom, tap to set exposure, edit photos on device
Mail	Single keyboard, standard text, type to add/change addresses, no message flagging, no dictionary	Dual-sided keyboard on iPad, rich-text formatting, draggable addresses, flagging messages as unread, inbuilt dictionary
Connectivity	PC or laptop needed to set up, sync or update any device	Computer-free setup, sync via iCloud, wireless software updates
Gaming	Game Center allowed mobile-to-mobile gaming, but apps had to be purchased via App Store	New social features (score sharing, friend recommendations, etc.), apps can be purchased from within Game Center
Messaging	Text messaging system through service provider	iMessage allows device-to-device messaging, similar to BlackBerry's BBM

- ▶ iPhone 4,
- ▶ iPhone 3GS and
- ▶ iPad Touch 3rd and 4th generation

New Features

Notification Center

With the new Notification Centre, you can get all your alerts (including new email, texts, friend requests, etc.) in one place without any interruptions to what you are doing. The swype down notification bar appears briefly at the top of the screen for a new alert and disappears quickly.

- ▶ All alerts in one place
- ▶ No more interruptions
- ▶ Swype down from the top of any screen to enter Notification Center
- ▶ Customize to see what you want
- ▶ Active lock screen – notifications display in the lock screen for easy access with one swipe

iMessage

It's a new messaging service introduced in iOS5.

- ▶ Send unlimited text messages to iOS devices
- ▶ Send text, photos, videos, locations and contacts to any iOS device
- ▶ Send group messaging
- ▶ Track messages with delivery and read (optional) receipt
- ▶ See the other party typing
- ▶ Encrypted text message
- ▶ Switch between iOS devices while chatting

Newsstand

Read all your news and magazines from one place. Customize Newsstand with your newspaper and magazine subscriptions.

- ▶ Browse stores right from Newsstand
- ▶ When you subscribe it appears in the newsstand
- ▶ Folder for easy access to favorite publications

Reminders

Organise yourself with to-do lists

- ▶ To-do list with due date, location etc.
- ▶ View list by date

- ▶ Set time based or location based reminder alert
- ▶ Location reminder: get alert when you near the set location
- ▶ Reminders work with iCal, Outlook and iCloud, so that it auto update change to all your iDevices and calendar

Twitter integration

System wide integration

- ▶ Single sign in
- ▶ Tweet directly from browser, photo app, camera app, YouTube, Map
- ▶ Reply to friend in the contact by start typing name
- ▶ Share your location

Enhanced Camera features

- ▶ Instant access to Camera app: access it right from the lock screen
- ▶ Pinch to Zoom gestures
- ▶ Single tap focus
- ▶ Focus/Exposure locks with touch and hold
- ▶ Grid lines to help compose a shot
- ▶ Volume up button to capture the photo
- ▶ Photo stream via iCloud to other iDevices

Enhanced Photo features

On screen editing and organize in photo album from Photo apps itself

- ▶ Edit / Crop photo from Photo apps
- ▶ Add photos to album
- ▶ iCloud automatically push photos to your other iDevices

Improved Safari browser

Displays only what you like to read from the web page

- ▶ Removes ads and other clutters
- ▶ Add to reading list
- ▶ Tweet from browser
- ▶ Update reading list in all your iDevices via iCloud
- ▶ Tabbed browsing
- ▶ Performance improvement

PC Free activation

No more need for PC! Activate your device wirelessly and do more with

your Photo and Camara apps right from the screen.

- ▶ OTA software upgrades
- ▶ On screen camera apps
- ▶ Do more on screen like on screen photo editing
- ▶ Back up and restore via iCloud

Enhanced Game Center

More features added

- ▶ Post your profile picture
- ▶ New friend recommendations
- ▶ Find new games right from Game Center
- ▶ Get on the spot overall achievement score

Wi-Fi Sync

Wirelessly sync your iDevice to your Mac or PC vis shared Wi-Fi connection

- ▶ Auto sync and iTunes back up when connected to power source
- ▶ Purchases from iTunes appear in all your iDevices

Enhanced mail features

- ▶ Format text
- ▶ Create indents in the text of your message
- ▶ Drag to rearrange names in the address field
- ▶ Flag important messages
- ▶ Add/Delete mailbox folders on your device
- ▶ Search mails
- ▶ Free email account with iCloud that will be updated in all your iDevices

Additional Calendar features

- ▶ Year/Weekly view
- ▶ Tap to create new event
- ▶ Drag to edit date and duration
- ▶ Add/rename/delete calendars directly from your device
- ▶ View attachment right from calendar app
- ▶ Calendar sync/share via iCloud

Multitasking gestures for iPad 2

- ▶ Multi finger gestures
- ▶ New moves and short cuts like swipe up for multitasking bar


AirPlay Mirroring

- ▶ Support for video mirroring

Innovative new features for differently abled people

- ▶ Work with specialized hardware accessories for differently abled
- ▶ LED Flash and custom vibration to indicate incoming call
- ▶ Custom element labelling

iOS 5 limitations

One feature that was much awaited but missing in iOS 5 is the Near Field Communication (NFC). It also doesn't support Adobe Flash Player like the previous versions of iOS, but we believe Steve Jobs when he says Flash isn't necessary. 

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